7 INCH MONITOR

# LZ-7500

# SERVICE MANUAL

KENWOOD

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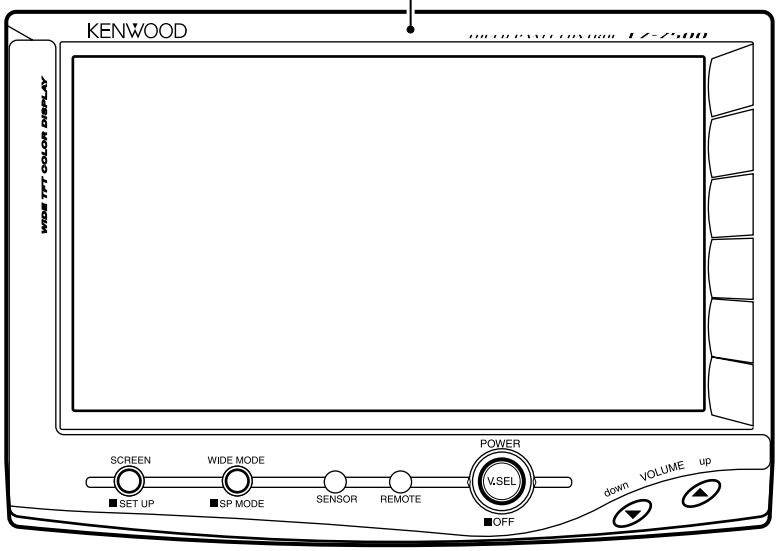
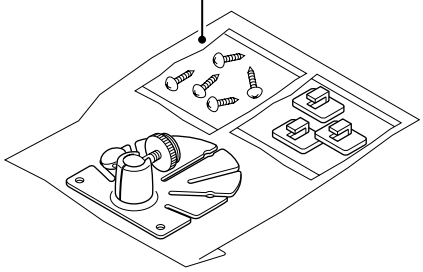
B51-7959-00 (4) 1877

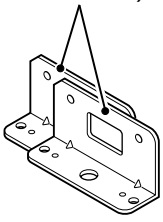
Panel assy
(A64-2962-08)



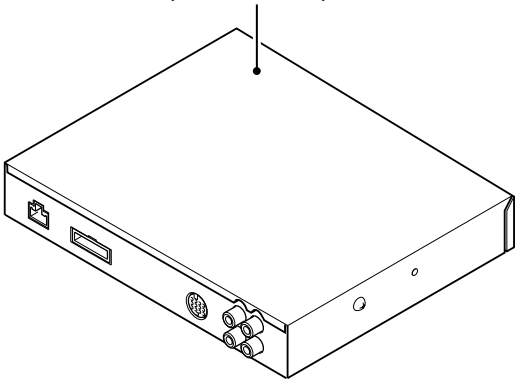

Mounting hardware assy
(W01-1605-08)



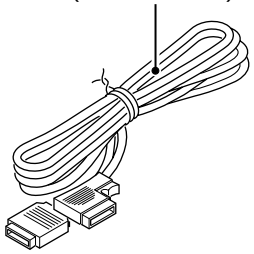
Mounting hardware
(J22-0002-08) x2



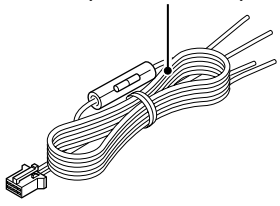
Metallic cabinet
(A01-2812-08)



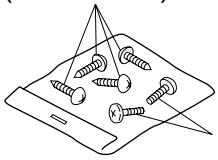
Cord with plug
(E30-6162-08)



DC cord
(E30-6163-08)

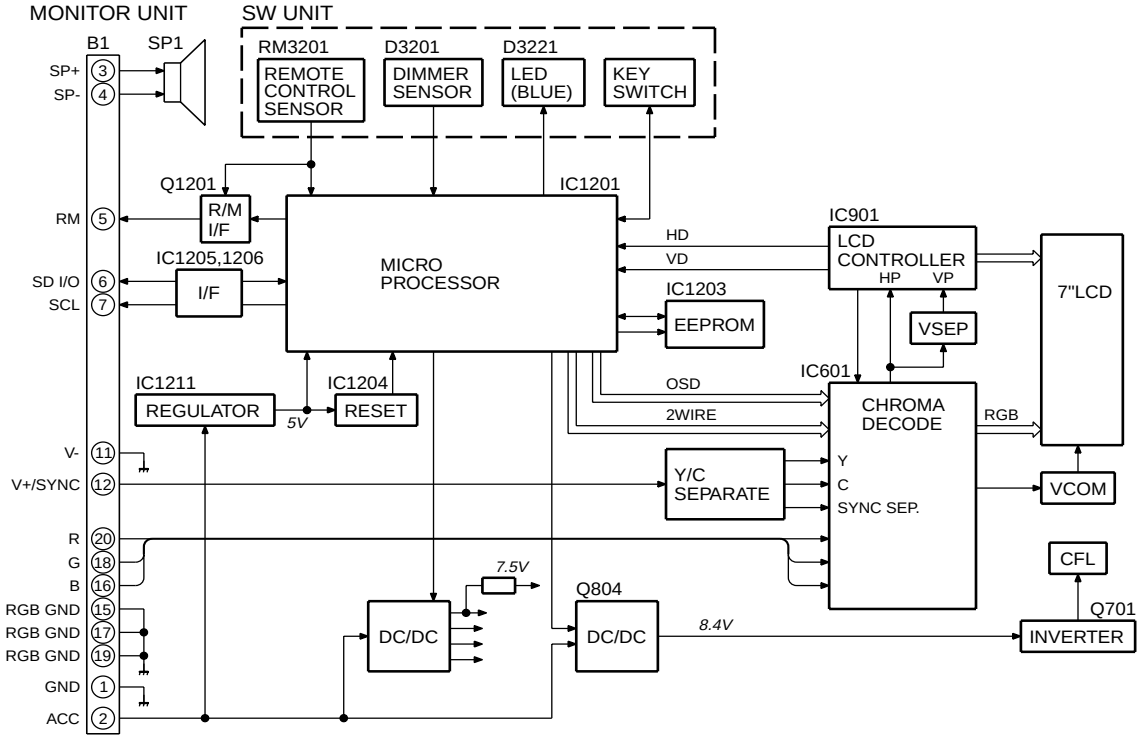


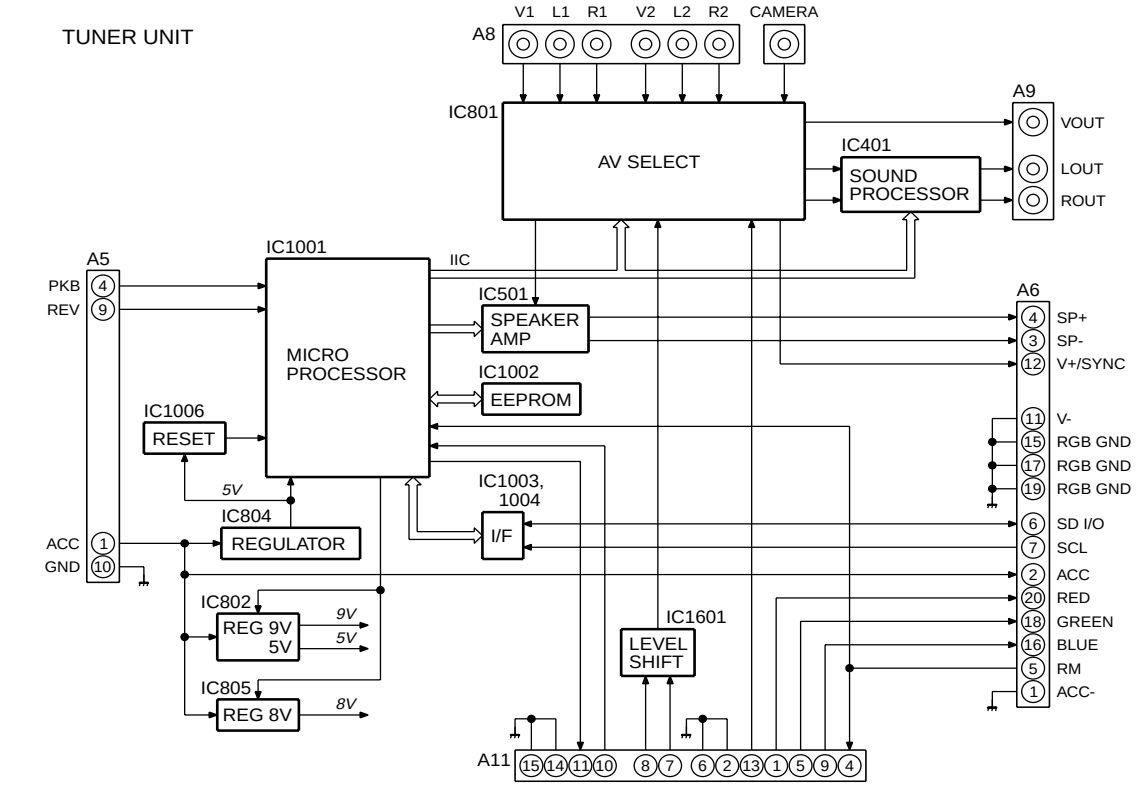
Tapping screw
(N09-6090-08) x4



Tapping screw
(N09-4443-08) x2

# BLOCK DIAGRAM



# COMPONENTS DESCRIPTION

## ●MONITOR UNIT

| Ref No. | Specification | Function |
|---|---|---|
| IC601 | For color liquid crystal | Chroma signal processing |
| IC602 | Synchronous separation with synchronous detection | Synchronous separation |
| IC604 | Logic IC | Input swintching |
| IC605 | For video | PAL 1H delay |
| IC606 | Logic IC | Waveform shaping |
| IC851 | PWM method Switching power supply control | DC-DC converter |
| IC901 | C-MOS gate array | TFT timing controller |
| IC902 | Operation Amplifier | VCO control |
| IC903 | Operation Amplifier | For Vcom generating |
| IC904 | Reset IC | Timing controller |
| IC905 | Logic IC | Schmitt inverter |
| IC1201 | Microcomputer | System control |
| IC1203 | Serial E2 PROM | Memory |
| IC1204 | All-round C-MOS | Microcomputer Reset |
| IC1205 | Logic IC | For Communication |
| IC1206 | Logic IC | Schmitt inverter |
| IC1208 | Operation Amplifier | For a touch-panel voltage input |
| IC1209 | Comparator | For high temperature protection |
| IC1211 | 3 terminal Regulator | voltage conversion |
| Q601 | Transistor | Video signal clamp |
| Q602,603 | Transistor | Buffer |
| Q604 | Digital Transistor (47kΩx2) | Buffer |
| Q605 | FET | For synchronized signal separation circuit |
| Q611,612 | Transistor | Buffer |
| Q701 | FET (Diode built-in) | For dimmer control circuit |
| Q702,703 | Transistor | For an inverter transformer drive |
| Q704 | Transistor | For the protection |
| Q705 | Digital Transistor (10kΩ,47kΩ) | Switching |
| Q706 | Digital Transistor (47kΩx2) | Switching |
| Q712 | Transistor | For protection circuit |
| Q802 | Transistor | For a DC-DC transformer drive |
| Q804 | FET (Diode built-in) | For the power supply circuit |
| Q805 | Transistor | voltage conversion |
| Q806 | Transistor | For the power supply circuit |
| Q807 | Digital Transistor (10kΩx2) | For Power supply circuit control |
| Q808 | Digital Transistor (10kΩ,47kΩ) | Power supply circuit control |
| Q902 | Transistor | Synchronous processing |
| Q903 | FET | For synchronized signal separation circuit |
| Q905 | Digital Transistor (47kΩx2) | Sync signal processing |
| Q906 | Digital Transistor (10kΩ,47kΩ) | For Sync signal processing circuit |
| Q907 | FET | For Sync signal processing circuit |
| Q908 | Transistor Composite (Two pieces) | For the Vcom output circuit |
| Q909,910 | Transistor | For the Vcom output circuit |
| Q911,915 | Transistor | Switching |
| Q916 | Digital Transistor (47kΩx2) | frequency switching |
| Q917 | Transistor | frequency switching |
| Q1201 | Digital Transistor (10kΩ,47kΩ) | For remote control signal output |
| Q1202 | Digital Transistor (47kΩx2) | Remote control signal output |
| Q1205 | Digital Transistor Composite (Two pieces) 10kΩ,47kΩx3 | For LED dimmer control |

# COMPONENTS DESCRIPTION

| Ref No. | Specification | Function |
|---|---|---|
| Q1212-1215 | Digital Transistor (10kΩx2) | For the touch panel control |
| Q1216-1218 | Transistor | For the OSD half brightness control |
| Q1219 | Transistor | For buzzer control |
| Q1220 | Transistor | buzzer voltage conversion |

**●TUNER UNIT**

| Ref No. | Specification | Function |
|---|---|---|
| IC401 | Audio | Sound processor |
| IC501 | Audio | Speaker audio amplification |
| IC502 | Transistor | Amplification gain control |
| IC802 | Regulator | Voltage conversion |
| IC804,805 | Regulator | Voltage conversion |
| IC809 | Regulator | Voltage conversion |
| IC1001 | Microcomputer | System control |
| IC1002 | Serial E2 PROM | Memory |
| IC1003 | 3 state buffer | Communication |
| IC1004 | All-round C-MOS | Communication |
| IC1006 | Reset | Reset |
| IC1010 | C-MOS analog switch | Remote control switching |
| IC1601 | Operation Amplifier | Amplification |
| IC1801 | For video | Signal switching switch |
| IC1803,1804 | Operation Amplifier | GND ISO |
| Q501 | Digital Transistor (47kΩx2) | Mute switching switch |
| Q502 | Transistor | Audio amplifier volume control |
| Q521 | Transistor | Audio mute |
| Q522 | Digital Transistor (1kΩ,10kΩ) | Audio amplifier mute |
| Q805 | Transistor | Voltage conversion |
| Q1006 | Digital Transistor (47kΩx2) | For PKB input |
| Q1009 | Digital Transistor (47kΩx2) | Camera switches |
| Q1010 | Digital Transistor (47kΩx2) | Switching |
| Q1012 | Digital Transistor (47kΩx2) | Synchronous reversal |
| Q1014 | Digital Transistor (10kΩ,47kΩ) | Remote control synchronous reversal |
| Q1605 | Transistor | Video output |
| Q1606,1607 | Digital Transistor (2.2kΩ) | LINE OUT mute |
| Q1608 | Digital Transistor (10kΩ,47kΩ) | LINE OUT mute |
| Q1610 | Transistor | Video output |
| Q1616 | Digital Transistor (2.2kΩ) | LINE OUT mute |
| Q1617-1619 | Digital Transistor (10kΩ,4.7kΩ) | RGB mute |
| Q1620 | Digital Transistor (10kΩ,4.7kΩ) | SYNC mute |

**●SWITCH UNIT**

| Ref No. | Specification | Function |
|---|---|---|
| D3201 | Optical sensor | Dimmer sensor |
| D3221 | Light emitting element (LED) | For the power supply indication |
| RM3201 | Photo sensor components | remote control signal sensor |

# MICROCOMPUTER'S TERMINAL DESCRIPTION

**Tuner microcomputer (IC1001)**

| PIN No. | Terminal | Pin Name | I/O | Function |
|---|---|---|---|---|
| 1 | PF5 | NC | O | NC |
| 2 | TXD | TXD | O | UART OUT (Navi communication) |
| 3 | RXD | RXD | I | UART IN (Navi communication) |
| 4 | PPO0 | ANT0 | O | NC (antenna 1) |
| 5 | PPO1 | ANT1 | O | NC (antenna 2) |
| 6 | PPO2 | ANT2 | O | NC (antenna 3) |
| 7 | PPO3 | ANT3 | O | NC (antenna 4) |
| 8-11 | PD4-7 | NC | O | NC |
| 12 | PC0 | NC | O | NC |
| 13 | PC1 | SEN | I | Overseas, domestic model judgment |
| 14 | PC2 | RGB MUTE | O | RGB video mute |
| 15 | PC3 | AMP-CNT | O | NC |
| 16 | PC4 | VIDEO-CNT | O | NC |
| 17 | PC5 | VIDEO-IN | I | NC |
| 18 | PC6 | CAMERA-IN | I | Compulsive camera input |
| 19 | PC7 | COMP-MONO | O | NC |
| 20 | PH0 | FM-ENABLE | O | NC |
| 21 | PH1 | FM-DATA | O | NC |
| 22 | PH2 | FM-CLOCK | O | NC |
| 23 | PH3 | FM-CHANGE | O | NC |
| 24 | PH4 | @PIN | O | NC |
| 25 | PH5 | PWR-CNT | O | Power supply control |
| 26 | PH6 | NC | O | NC |
| 27 | PH7 | RGB/VSYNC | O | NC |
| 28 | PJ0 | PKB-IN | I | PKB input |
| 29-31 | PJ1-3 | NC | O | NC |
| 32 | PJ4 | MUTE | O | Line out mute |
| 33 | PJ5 | POWER-ON | O | Power ON/OFF |
| 34 | PJ6 | NC | O | NC |
| 35 | EXI1 | TV-SYNC | I | NC (TV tuner VSYNC input) |
| 36 | RST | RST | I | Reset signal input |
| 37 | EXTAL | EXTAL | - | Crystal clock oscillation |
| 38 | XTAL | XTAL | - | Crystal clock oscillation |
| 39 | VSS | VSS | - | GND |
| 40,41 | EXI2,3 | NC | I | NC |
| 42 | AVSS | AVSS | - | A/D converter GND |
| 43 | AVREF | AVREF | - | A/D converter standard voltage input |
| 44 | AVDD | AVDD | - | A/D converter positive voltage input |
| 45 | AN0 | 5V-V | I | 5V check |
| 46 | AN1 | 9V-V | I | 9V check |
| 47 | AN2 | 12V-V | I | 12V check |
| 48 | AN3 | 8V-V | I | 8V check |
| 49 | PA0 | LINE3 | O | NC |
| 50 | PA1 | SD | O | NC |
| 51 | AN6 | S-METER | I | NC (S meter) |
| 52 | AN7 | VID-SIGNAL | I | NC (TV video signal) |
| 53 | PA4 | Sound multiplex 1 | O | NC |
| 54 | PA5 | Sound multiplex 2 | O | NC |
| 55 | PA6 | Sound multiplex BIL-IN | O | NC |
| 56 | PA7 | Sound multiplex ST-IN | O | NC |

# MICROCOMPUTER'S TERMINAL DESCRIPTION

| PIN No. | Terminal | Pin Name | I/O | Function |
|---|---|---|---|---|
| 57 | CS0 | NC | I | NC |
| 58 | SCK0 | SCLK | I | Monitor microcomputer communication line CLK |
| 59 | SIO | SI | I | Monitor microcomputer communication line IN |
| 60 | SO0 | SO | O | Monitor microcomputer communication line OUT |
| 61 | PB0 | SO-CNT | O | Monitor microcomputer communication line OUT permission |
| 62 | PB1 | SCL | O | IIC CLK |
| 63 | PB2 | SDA-OUT | O | IIC DATA |
| 64 | PB3 | SDA-IN | I | IIC DATA line check |
| 65 | PB4 | IIC-CNT | I | Bus control detection |
| 66 | PB5 | DISP-CNT IN | O | NC |
| 67 | PB6 | LINE2 | O | NC |
| 68 | PB7 | VD | O | NC |
| 69 | PE0 | IF AGC | I | NC |
| 70 | PE1 | RF AGC | I | NC |
| 71-74 | PE2-5 | NC | I | NC |
| 75,76 | PE6,7 | NC | O | NC |
| 77-80 | PI0-13 | NC | O/I | NC |
| 81 | PI4 | RMC-OUT | O/I | NC |
| 82 | PI5 | NC | O | NC |
| 83 | PI6 | RMC-IN | O | NC |
| 84 | PI7 | NC | O | NC |
| 85 | PWMO | SP-VOL | O | Speaker VOL |
| 86 | VSS | VSS | - | GND |
| 87 | VDD | VDD | - | VDD |
| 88 | NC | NC | - | NC |
| 89 | PG1 | SP-MUTE | O | Speaker mute |
| 90-100 | PG2-7,PF0-4 | NC | O | NC |

**Monitor microcomputer (IC1201)**

| PIN No. | Terminal | Pin Name | I/O | Function |
|---|---|---|---|---|
| 1 | PD5 | SDA-CHK | I | IIC bus data surveillance |
| 2 | HS0 | HSYNC CHK | I | Horizontal synchronous input (main) |
| 3 | SI | SI | I | Tuner communication serial IN |
| 4 | SO | SO | O | Tuner communication serial OUT |
| 5 | SCK | SCK | O | Tuner communication serial clock |
| 6 | PD0 | TV-RGB | O | TV/RGB switching signal output |
| 7 | HSYNC | HD | I | Horizontal synchronism |
| 8 | VSYNC | VD | I | Vertical synchronism |
| 9 | RST | RST | I | Microcomputer reset signal input |
| 10 | VSS | VSS | - | GND |
| 11 | XTAL | XTAL | O | Clock oscillation |
| 12 | EXTAL | EXTAL | I | Clock oscillation |
| 13 | AN5 | Xp | I | Touch-panel input (X side) |
| 14 | AN4 | Yp | I | Touch-panel input (Y side) |
| 15 | AN3 | DMR-LV | I | Dimmer level detection |
| 16 | AN2 | KEY-LV | I | Main part key input |
| 17 | AN1 | DC/DC/ CHK | I | DC/DC5V check |
| 18 | AN0 | ACC-CHK | I | ACC 12V check |
| 19 | PB7 | HP4 | O | Level display position data of a screen mode controller |
| 20 | PB6 | HP3 | O | Level display position data of a screen mode controller |

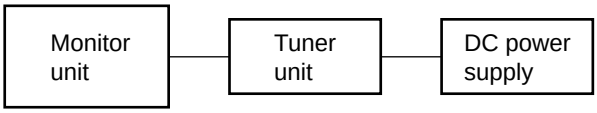
# MICROCOMPUTER'S TERMINAL DESCRIPTION

| PIN No. | Terminal | Pin Name | I/O | Function |
|---|---|---|---|---|
| 21 | PB5 | HP2 | O | Level display position data of a screen mode controller |
| 22 | PB4 | HP1 | O | Level display position data of a screen mode controller |
| 23 | PB3 | HP0 | O | Level display position data of a screen mode controller |
| 24 | PG7 | THERM | I | Temperature sensor input |
| 25 | PG6 | SIDE 1 | O | Screen mode controller |
| 26 | PG5 | JUST | O | Screen mode data |
| 27 | PG4 | ZOOM | O | Screen mode data |
| 28 | PG3 | NC | O | NC |
| 29 | PB2 | SYNC-SW | O | Synchronized signal switching signal output |
| 30 | PB1 | SCK-CNT | O | SCK control |
| 31 | PB0 | SO-CNT | O | SO control |
| 32 | R | OSD-R | O | ON Screen R signal |
| 33 | G | OSD-G | O | ON Screen G signal |
| 34 | B | OSD-B | O | ON Screen B signal |
| 35 | I | OSD-I | O | ON Screen I signal |
| 36 | YS | OSD-YS | O | ON Screen YS signal |
| 37 | PE4 | CAMP-SUB | O | COMAMP switching signal |
| 38 | XLC | XLC | O | Oscillation for an ON screen display |
| 39 | EXLC | EXLC | I | Oscillation for an ON screen display |
| 40 | NC | NC | - | NC |
| 41 | VDD | VDD | - | Microcomputer 5V |
| 42 | VSS | VSS | - | GND |
| 43 | PE3 | IIC-CNT | I | Bus control |
| 44 | INTO | VSEP | I | Vertical synchronous separation input |
| 45 | PE1 | NC | O | NC |
| 46 | PE0 | NC | O | NC |
| 47 | SDA1 | SDA1 | I/O | IIC bus data (memory control) |
| 48 | SDA0 | SDA0 | I/O | IIC bus data (chroma IC control) |
| 49 | SCL1 | SCL1 | O | IIC bus clock (memory control) |
| 50 | SCL0 | SDA1 | O | IIC bus clock (chroma IC control) |
| 51 | PF3 | TTP-CNT2 | O | Touch-panel control signal 2 |
| 52 | PF2 | TTP-CNT3 | O | Touch-panel control signal 3 |
| 53 | PF1 | TTP-CNT4 | O | Touch-panel control signal 4 |
| 54 | PWM0 | COMMON | O | A PWM output and common adjustment |
| 55 | PWM7 | LED-DRV | O | LED drive |
| 56 | PWM6 | BEEP | O | BEEP output |
| 57 | PC5 | NC | O | NC |
| 58 | PC4 | P/N-TG | O | PAL/NTSC switching |
| 59 | PC3 | BLANK | O | Video Blanking |
| 60 | PC2 | TTP-CNT1 | O | Touch-panel control signal 1 |
| 61 | PC1 | COPY | O | Copy guard signal response |
| 62 | PC0 | DC/DC-CNT | O | DC/DC power supply control |
| 63 | PD7 | FL-ON | O | Fluorescent light ON/OFF |
| 64 | RMC | RMC-IN | I | Remote control signal input |

# ADJUSTMENT

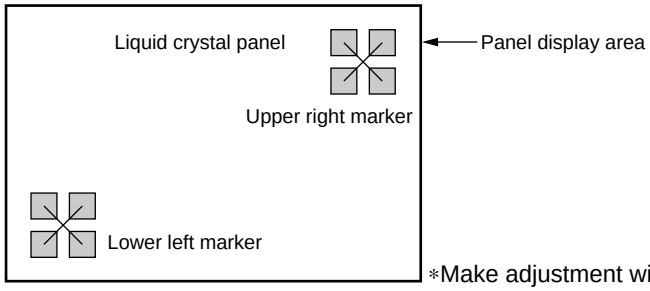
## [1] Touch-panel adjustment.

### 1. Connection




### 2. Adjustment method.

1) DC power supply is set as 13.2±0.05V.
2) A power supply is made "on" with a power switch.
3) The "setup key" of the monitor is pushed for more than two seconds, and it is within setup mode.
4) It touches a "TOUCH" button in screen, and goes into TOUCHPANELADJUSTMODE
5) The lower left marker x mark portion of the following figure is touched with a touch pen (refer to the following figure).
6) The upper right marker x mark portion of the following figure is touched with a touch pen (refer to the following figure).
7) It escapes from touch-panel adjustment mode.

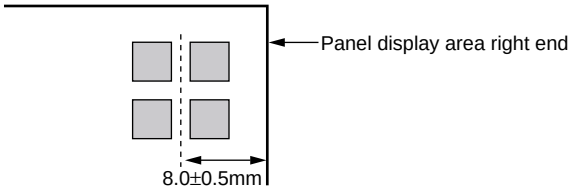



∗Make adjustment with a pen (R=0.8) for the jig.

## [2] OSD oscillation frequency adjustment.

Connection and power supply voltage adjustment are perfo-rmed like touch-panel adjustment, the red marker at the lower left of a screen is touched, and a red marker is displayed on the screen upper right.

The trimmer capacitor of C1275 adjusts the central point of an upper right marker so that it may go into 8.0±0.5mm from the display area right end of a panel.




## [3] Power supply frequency, power supply voltage, and controller VCO adjustment

∗Set DC power supply as 13.2±0.05V.

| Adjustment item | | Measurement point | Adjustment part | Adjustment value | Measuring instrument |
|---|---|---|---|---|---|
| Power supply frequency | | TP856 (foil side) (Q802 Collector) | VR851 | 145±2.0kHz | DC Power supply Frequency counter |
| Power supply voltage | 5.0V | TP852A | VR852 | 5.0±0.2V | DC Power supply Digital voltmeter |
| | 8.4V | TP701A | VR863 | 8.5±0.2V | |
| Controller VCO | | TP902A | VR901 | 15.734kHz±100Hz | DC Power supply Frequency counter |

∗Carrying out by VD1 (NTSC mode) by the non-signal (a signal not being inputted), when carrying out CONTROLLER VCO adjustment.

## [4] Shipment setting table

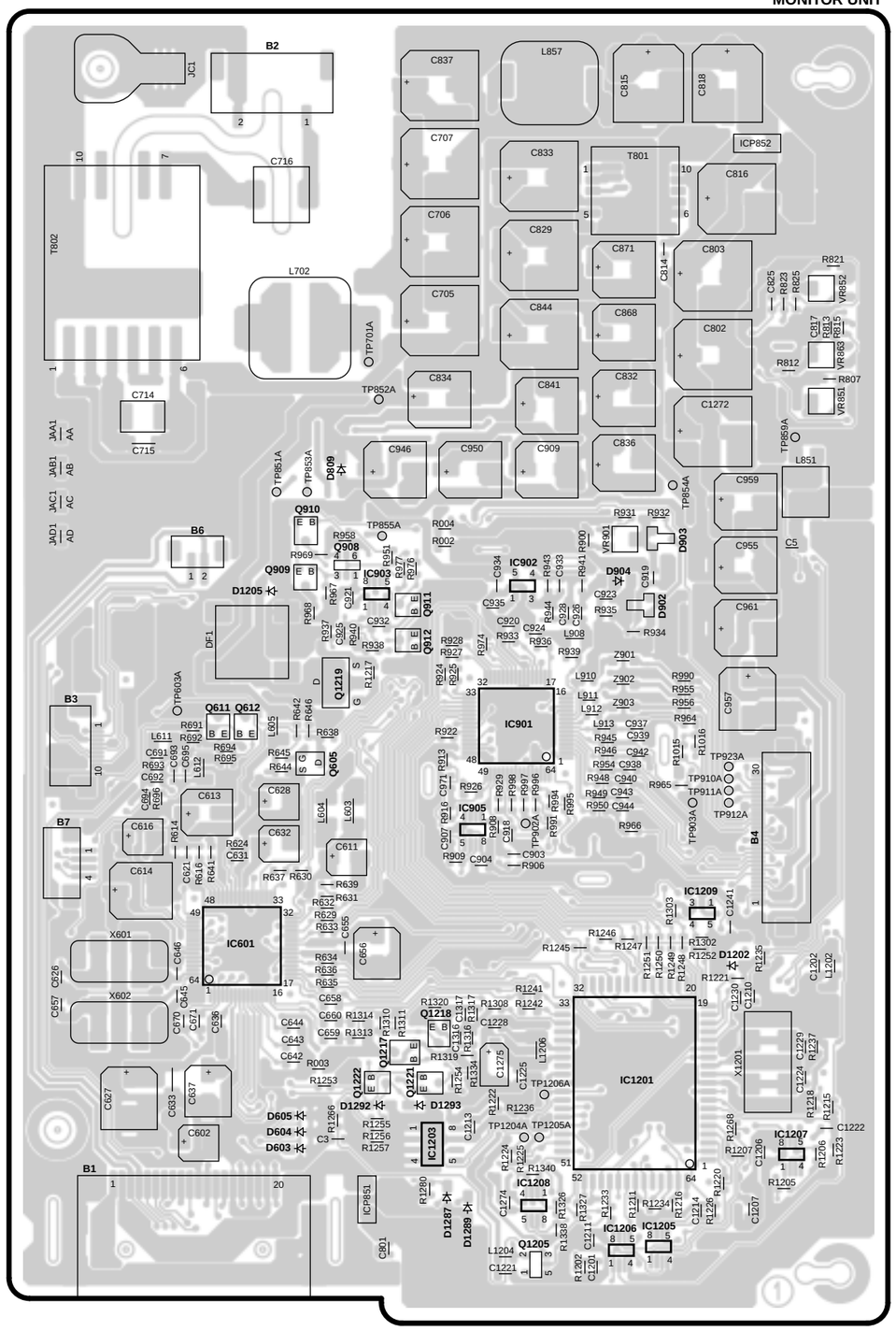
| No. | Setting item | Setting value |
|---|---|---|
| 1 | Last power | OFF |
| 2 | Mode switching | NAV |
| 3 | Speaker volume | 20 Step |
| 4 | Dimmer (DIM) | All mode maximum (MAX) |
| 5 | Black level (BLK) | All mode centers |
| 6 | Contrast (CONT) | All mode centers |
| 7 | Depth of a color (COL) | All mode centers |
| 8 | Tone (TIN) | All mode centers |
| 9 | Speaker setup | NORMAL |

| No. | Setting item | Setting value |
|---|---|---|
| 10 | System setup | NAV :RGB<br>VDl :AV—INl<br>VD2 :AV—IN2<br>CAMERA/VIDEO :AUTO<br>AV—OUT :NORMAL<br>BEEP :ON |
| 11 | Screen aspect setup | NAV :FULL VD1 :FULL<br>VD2 :FULL CMR :FULL |
| 12 | Last image system | AV—IN1 :NTSC<br>AV—IN2 :NTSC<br>CAMERA/VIDEO :NTSC |

# PC BOARD (Component side view)

## MONITOR UNIT

MONITOR UNIT



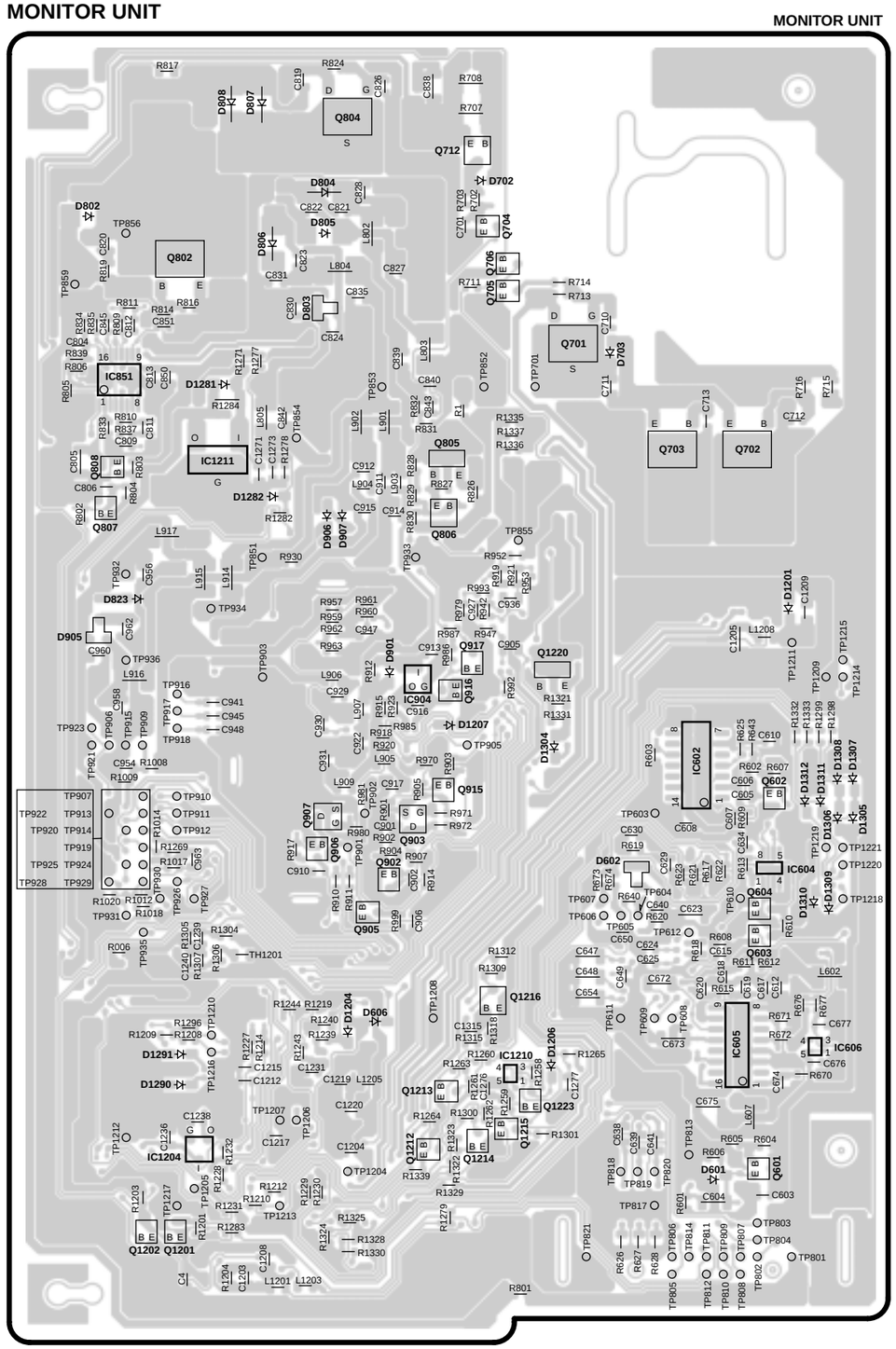

| MONITOR UNIT | |
|---|---|
| Ref. No. | Address |
| IC601 | 5B |
| IC901 | 4C |
| IC902 | 3C |
| IC903 | 3B |
| IC905 | 4C |
| IC1201 | 6D |
| IC1203 | 6C |
| IC1205 | 6D |
| IC1206 | 6D |
| IC1207 | 6D |
| IC1208 | 6C |
| IC1209 | 5D |
| Q605 | 4B |
| Q611 | 4B |
| Q612 | 4B |
| Q908 | 3B |
| Q909 | 3B |
| Q910 | 3B |
| Q911 | 4C |
| Q912 | 4C |
| Q1205 | 6C |
| Q1217 | 5B |
| Q1218 | 5C |
| Q1219 | 4B |
| Q1221 | 6C |
| Q1222 | 6B |

Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (Foil side view)

## MONITOR UNIT

MONITOR UNIT


Q804
Q712
Q802
Q701
Q703
Q702
Q805
Q806
Q807
Q808
Q902
Q903
Q905
Q906
Q907
Q915
Q916
Q917
Q1220
Q1213
Q1214
Q1215
Q1216
Q1223
Q1202
Q1201
IC851
IC1211
IC904
IC602
IC604
IC605
IC606
IC1210
D802
D807
D808
D804
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D806
D803
D1281
D1282
D1207
D1201
D1202
D1206
D1304
D1305
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D1290
TP856
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TP1220
TP1221
TP1218
TH1201
L1208
L1201
L1203
L602
L607
C1209
C1205
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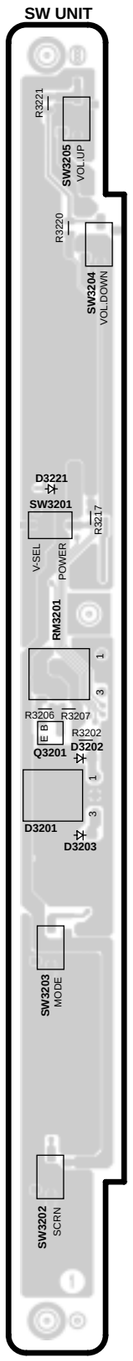
C1259
C1260
C1261

# PC BOARD (Component side view)

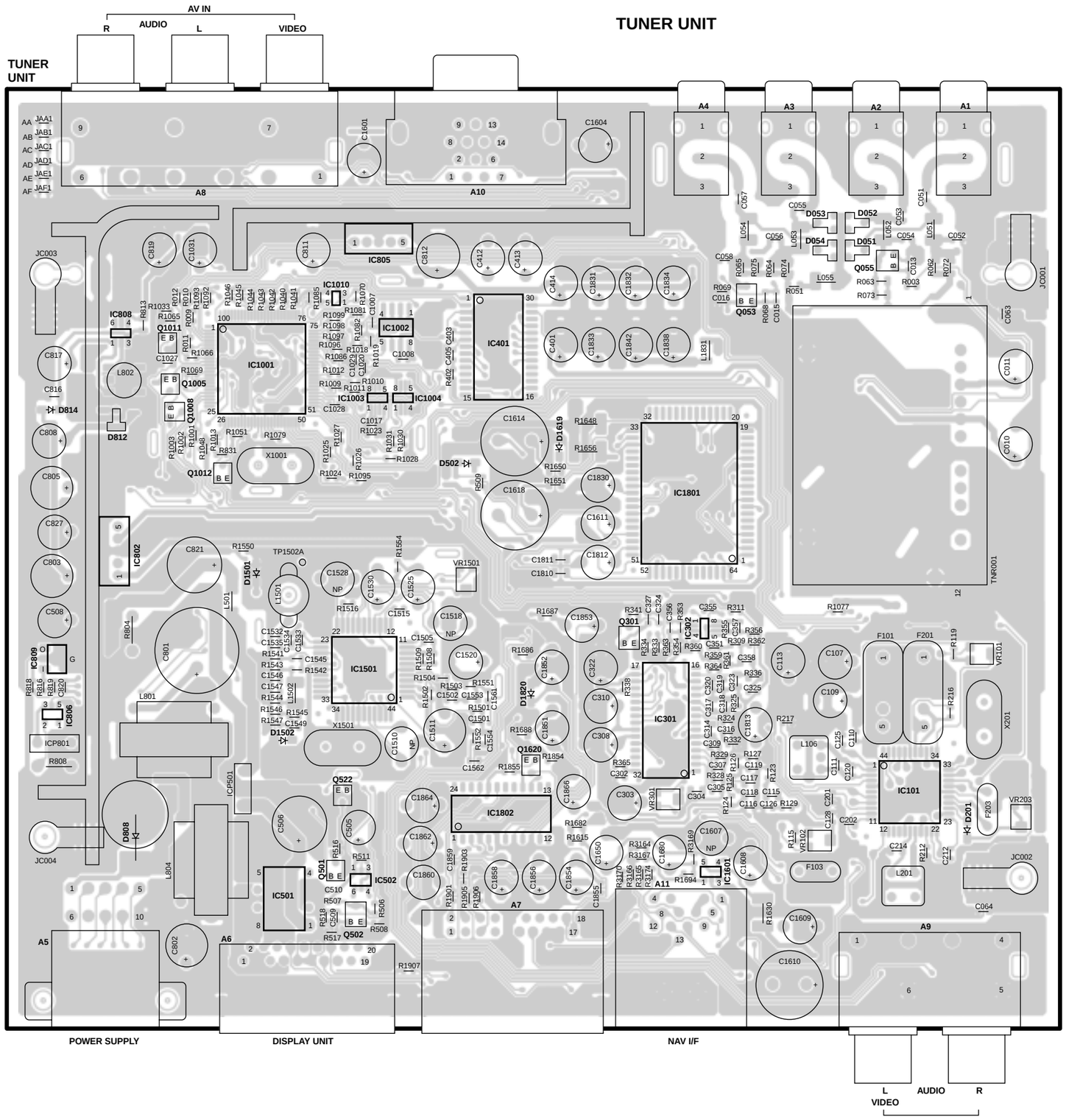
SW UNIT




SW UNIT

| Ref. No. | Address |
|---|---|
| Q3201 | 4K |

TUNER UNIT




TUNER UNIT

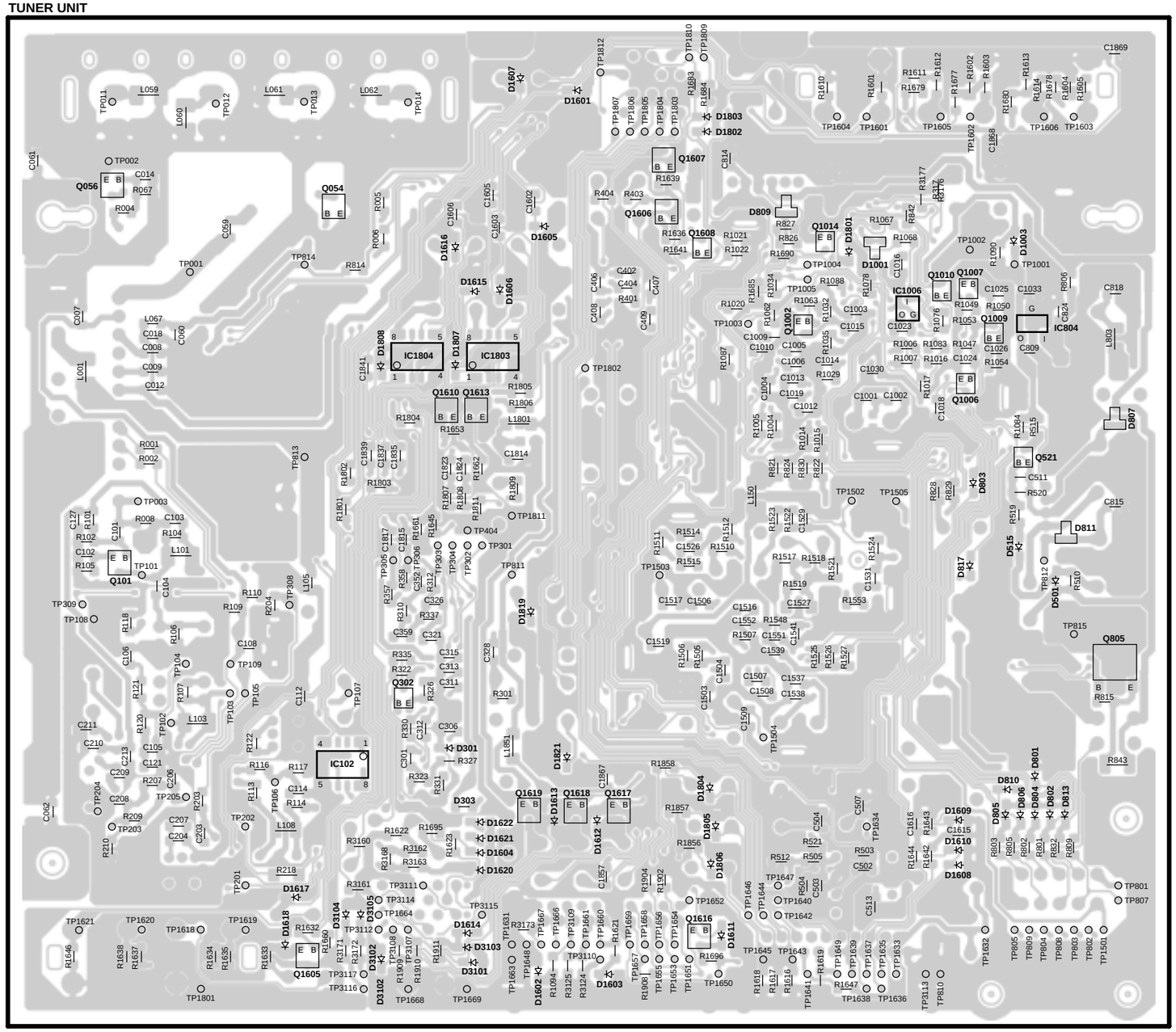
| Ref. No. | Address |
|---|---|
| IC301 | 5Q |
| IC302 | 4Q |
| IC401 | 3P |
| IC501 | 6O |
| IC502 | 6O |
| IC802 | 4N |
| IC805 | 2O |
| IC806 | 5N |
| IC808 | 3N |
| IC809 | 5M |
| IC1001 | 3O |
| IC1002 | 3O |
| IC1003 | 3O |
| IC1004 | 3P |
| IC1010 | 3O |
| IC1501 | 5O |
| IC1601 | 6Q |
| IC1801 | 4Q |
| IC1802 | 5P |
| Q053 | 3Q |
| Q055 | 3R |
| Q301 | 4Q |
| Q501 | 6O |
| Q502 | 6O |
| Q522 | 5O |
| Q1005 | 3N |
| Q1008 | 3N |
| Q1011 | 3N |
| Q1012 | 4N |
| Q1620 | 5P |

Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (Foil side view)

## TUNER UNIT

TUNER UNIT

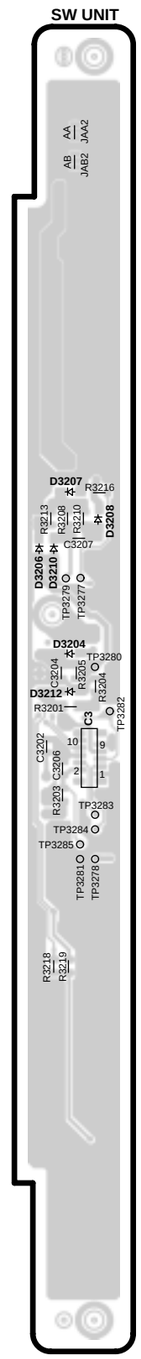



TUNER UNIT

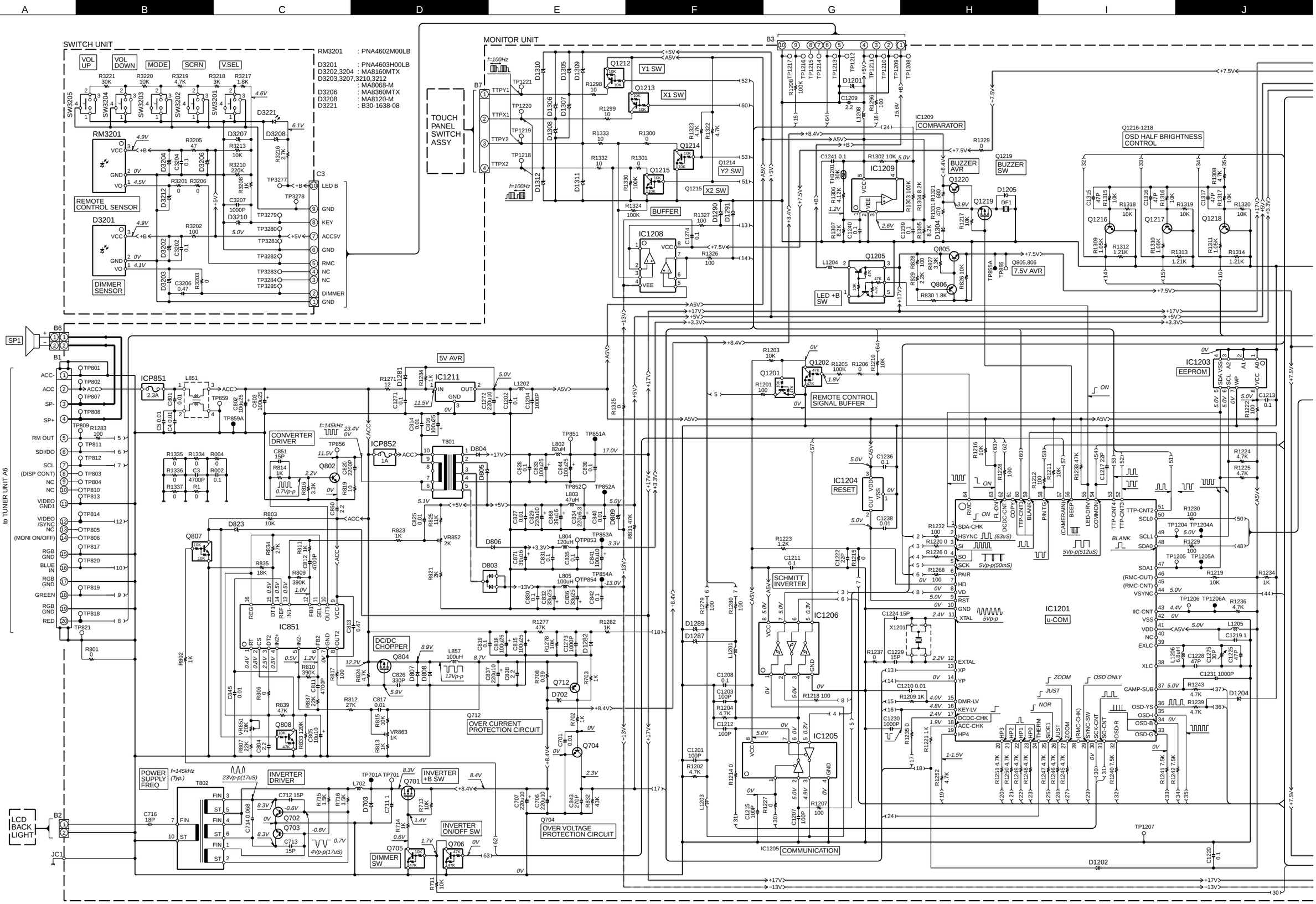
| Ref. No. | Address |
|---|---|
| IC102 | 5W |
| IC804 | 3Z |
| IC1006 | 3Z |
| IC1803 | 3X |
| IC1804 | 3W |
| Q054 | 2W |
| Q056 | 2V |
| Q101 | 4V |
| Q302 | 5W |
| Q521 | 4Z |
| Q805 | 4AA |
| Q1002 | 3Y |
| Q1006 | 3Z |
| Q1007 | 3Z |
| Q1009 | 3Z |
| Q1010 | 3Z |
| Q1014 | 2Y |
| Q1605 | 6W |
| Q1606 | 2X |
| Q1607 | 2X |
| Q1608 | 2Y |
| Q1610 | 3W |
| Q1613 | 3W |
| Q1616 | 6Y |
| Q1617 | 5X |
| Q1618 | 5X |
| Q1619 | 5X |

## SW UNIT

SW UNIT




Refer to the schematic diagram for the values of resistors and capacitors.


SWITCH UNIT
VOL UP
VOL DOWN
MODE
SCRN
V.SEL
RM3201 : PNA4602M00LB
D3201 : PNA4603H00LB
D3202,3204 : MA8160MTX
D3203,3207,3210,3212 : MA8068-M
D3206 : MA8360MTX
D3208 : MA8120-M
D3221 : B30-1638-08
REMOTE CONTROL SENSOR
DIMMER SENSOR
LED B
GND
KEY
ACC5V
RMC
NC
NC
DIMMER
GND
TOUCH PANEL SWITCH ASSY
MONITOR UNIT
Y1 SW
X1 SW
Y2 SW
X2 SW
BUFFER
IC1208
IC1209 COMPARATOR
BUZZER AVR
BUZZER SW
Q1216-1218 OSD HALF BRIGHTNESS CONTROL
LED +B SW
7.5V AVR
REMOTE CONTROL SIGNAL BUFFER
IC1203 EEPROM
5V AVR
IC1211
CONVERTER DRIVER
ICP851
ICP852
DC/DC CHOPPER
OVER CURRENT PROTECTION CIRCUIT
OVER VOLTAGE PROTECTION CIRCUIT
POWER SUPPLY FREQ
INVERTER DRIVER
INVERTER +B SW
INVERTER ON/OFF SW
DIMMER SW
SCHMITT INVERTER
IC1206
IC1204 RESET
IC1205 COMMUNICATION
IC1201 u-COM
SP1
LCD BACK LIGHT
to TUNER UNIT A6

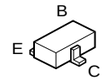
IC601 : AN2546FH-A
IC602 : LA7217M
IC604 : TC7W53FU
IC605 : TDA4662T-T
IC606 : SN74AHCTIG08CK
IC851 : FA7703V-TE1
IC901 : COHBA0000061
IC902 : TA75S01F
IC903,1208 : TA75W558FU
IC904 : MN13821-GTX
IC905,1206 : TVSA0446
IC1201 : C2BBGE000616
IC1203 : 24LC04BT-I/SN
IC1204 : MN1382R
IC1205 : TVSA0447
IC1209 : TA75S393F
IC1211 : TA7805F

Q601-603,611,612,704, 902,909,911,915,917 : 2SD1819AR
Q604,706,905,916,1202 : UN5213
Q605,903,907 : 2SK2158M
Q701,804 : IRFU9024NTR
Q702,703,802 : 2SD1803ST-TL
Q705,808,906,1201 : UN5214
Q712,806,910 : 2SB709ARTX
Q805,1220 : 2SD2185R
Q807,1214,1215 : UN5211
Q908 : IMZ1A
Q1205 : FMC4A
Q1212,1213 : UN5111TX
Q1216-1218 : 2SC2404-CTX
Q1219 : 2SJ358-T1

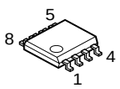
D602 : MA704A
D603-605,1201,1287, 1289-1291,1305-1312 : MA8068-M
D702 : MA8120-M
D703,1202,1204,1205, 1281,1282 : 1SS355
D803 : DCB010
D804 : EC10QS10
D805-808 : EC10QS04
D809 : MA8360-M
D823 : MA8200-L
D904 : MA338
D905 : MA704WA
D906,907 : MA8056-M
D1207,1304 : MA111

DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

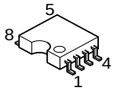
DTC323TK
UN5211
UN5213
UN5214
2SD1819A



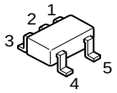

TA75W558FU



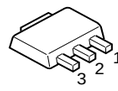

BA3121F



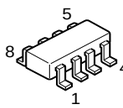

TA75S393F



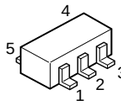

M5237ML-600C



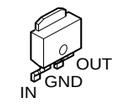

TC7W53FU




TA75S01F




TA7805F




**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

•DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

LZ-7500(K) (1/2)

# LZ-7500

KENWOOD

U V W X Y Z AA AB AC AD

1 2 3 4 5 6 7

IC401 : LC75342M-TLM
IC501 : TDA7052A
IC502 : IMZ1A
IC802 : BA51W12ST
IC804 : AN78L05M-E1
IC805 : BA08ST
IC809 : M5237ML-600C
IC1001 : C2BBFE000119
IC1002 : C3EBCC000018
IC1003 : TVSA0032
IC1004 : TC7W14FU

IC1006 : MN1382S
IC1010 : TVSA0124
IC1601 : TA75S01F
IC1801 : CXA2069Q
IC1803,1804 : BA3121F

Q501,1009,1012 : UN5213TX
Q502 : 2SC2404-CTX
Q521 : 2SD1819A
Q522 : UN5219TX
Q805 : 2SB1202ST-TL
Q1006,1010 : UN5113TX
Q1014 : UN5214
Q1605,1610 : 2SB709ARSTX
Q1606,1607,1616 : DTC323TK
Q1608 : 2SB1218ARSTX

Q1617-1619 : UN221F
Q1620 : UN521FTX

D501,502,803,817,1003 : MA111
D515 : MA8075-L
D804,806,1602,1608-1611, 1620-1622,3101-3103 : MA8360MTX
D807,809,811,812 : M1M151KT1
D808 : ZSA5MA27
D810,3104,3105 : MA8068-M
D1001 : MA704A
D1601,1605-1607,1615-1619 : MA8120-M
D1807,1808 : MA8160HTX

VIDEO SIGNAL LINE
SIGNAL LINE
GND LINE
+B LINE

TUNER UNIT

IC1001 SYSTEM u-COM
IC1801 AUDIO/VIDEO SELECTOR
IC401 SOUND PROCESSOR
IC501 BUFFER
IC502 BUFFER
IC1803 MULTIPLEX SW
IC1804 ISOLATION AMP
IC1601 BUFFER
IC1002 EEPROM
IC1010 ANALOG SW
IC1004 COMMUNICATION
IC1003 COMMUNICATION
IC802 9V OUT
IC805 AVR (8V)
IC804 AVR (5V)
IC809 SP 8.7V POWER SUPPLY
IC1006 RESET

BLT AMP
SP OUTPUT LEVEL CONTROL
SP MUTE SW
INSTANTANEOUS PORT VOLTAGE
REVERSE DETECT
PARKING DETECT
SOUND MUTE DRIVER
VIDEO MUTE SW
VIDEO MUTE DRIVER
VIDEO BUFFER
MUTE DRIVER
MUTE SW
AV INPUT
AV OUT
AV OUTPUT
AV IN
NAVI IF
DISPLAY UNIT CONNECT
to MONITOR UNIT B1

A5 A6 A8 A9 A11

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

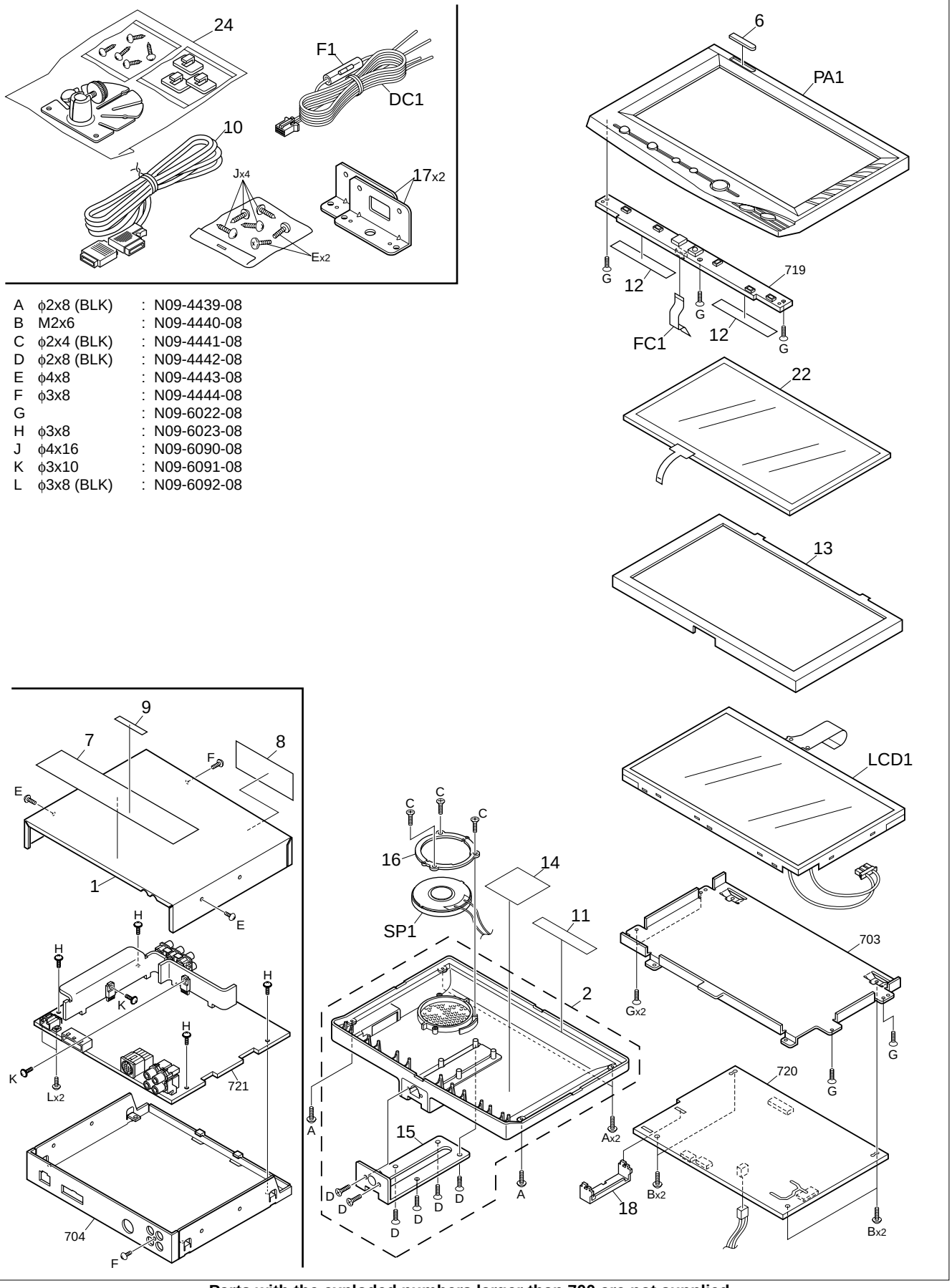
•DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

LZ-7500(K) (2/2)

LZ-7500

KENWOOD

# EXPLODED VIEW (UNIT)




| | | | |
|---|---|---|---|
| A | ϕ2x8 (BLK) | : | N09-4439-08 |
| B | M2x6 | : | N09-4440-08 |
| C | ϕ2x4 (BLK) | : | N09-4441-08 |
| D | ϕ2x8 (BLK) | : | N09-4442-08 |
| E | ϕ4x8 | : | N09-4443-08 |
| F | ϕ3x8 | : | N09-4444-08 |
| G | | : | N09-6022-08 |
| H | ϕ3x8 | : | N09-6023-08 |
| J | ϕ4x16 | : | N09-6090-08 |
| K | ϕ3x10 | : | N09-6091-08 |
| L | ϕ3x8 (BLK) | : | N09-6092-08 |

**Parts with the exploded numbers larger than 700 are not supplied.**

# PARTS LIST

*New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohane **Parts No.** werden nicht geliefert.

**LZ-7500**
**MONITOR UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| **LZ-7500** | | | | | |
| 1 | 3A | * | A01-2812-08 | METALLIC CABINET | |
| 2 | 3B | | A46-1755-08 | REAR COVER ASSY | |
| PA1 | 1B | * | A64-2962-08 | PANEL ASSY | |
| 6 | 1B | | B43-1300-04 | BADGE | |
| 7 | 2A | * | B42-8034-08 | STICKER (TBME553) | |
| 8 | 2A | * | B42-8035-08 | STICKER (TBMU208) | |
| 9 | 2A | * | B42-8038-08 | STICKER (S/No) | |
| - | | * | B03-5019-08 | DASHBOARD | |
| - | | | B46-0100-50 | WARRANTY CARD | |
| - | | | B64-2325-00 | INST. MANUAL(ENG.FRE.GER.) | |
| - | | | B64-2326-00 | INST. MANUAL(DUT.ITA.SPA.) | |
| LCD1 | 2B | | B38-1069-08 | LIQUID CRYSTAL | |
| 10 | 1A | * | E30-6162-08 | CORD WITH PLUG | |
| DC1 | 1A | * | E30-6163-08 | DC CORD | |
| FC1 | 1B | * | E39-0539-08 | FLAT CABLE (10P) | |
| 11 | 3B | * | F09-1796-08 | SHEET | |
| 12 | 1B | * | F09-1797-08 | SHEET (B) | |
| 13 | 2B | * | F15-0852-08 | SHADE | |
| F1 | 1A | | F05-3022-05 | FUSE (3A) | |
| 14 | 3B | * | G11-3540-08 | CUSHION | |
| - | | * | H12-2714-08 | PACKING FIXTURE | |
| - | | * | H13-2032-08 | CARTON BOARD | |
| - | | * | H13-2033-08 | CARTON BOARD | |
| - | | | H25-1152-08 | PROTECTION BAG (TUNER) | |
| - | | | H25-1153-08 | PROTECTION BAG (MONITOR) | |
| - | | | H25-1160-08 | PROTECTION BAG (SCREW SET) | |
| - | | * | H25-1186-08 | PROTECTION BAG (MOUNT.HARD.) | |
| - | | * | H54-2580-08 | ITEM CARTON CASE | |
| 15 | 3A | | J19-5065-08 | BRACKET (STAND) | |
| 16 | 3A | | J19-5143-08 | HOLDER (SP) | |
| 17 | 1A | * | J22-0002-08 | MOUNTING HARDWARE (TUNER) | |
| 18 | 3B | * | J22-0003-08 | MOUNTING HARDWARE (CONNECTOR) | |
| A | 3A | | N09-4439-08 | TAPTITE SCREW | |
| B | 3B | | N09-4440-08 | SEMS (MACHINE SCREW) | |
| C | 2A | | N09-4441-08 | MACHINE SCREW | |
| D | 3A | | N09-4442-08 | TAPTITE SCREW | |
| E | 1A | | N09-4443-08 | TAPTITE SCREW | |
| F | 3A | | N09-4444-08 | TAPTITE SCREW | |
| G | 3B | | N09-6022-08 | TAPTITE SCREW | |
| H | 3A | | N09-6023-08 | TAPTITE SCREW | |
| J | 1A | * | N09-6090-08 | TAPPING SCREW | |
| K | 3A | * | N09-6091-08 | MACHINE SCREW | |
| L | 3A | * | N09-6092-08 | TAPTITE SCREW | |
| 22 | 1B | * | S79-0826-08 | SWITCH ASSY (TOUCH-PANEL) | |
| SP1 | 3A | | T07-0604-08 | SPEAKER (FULLRANGE) | |
| 24 | 1A | * | W01-1605-08 | MOUNTING HARDWARE ASSY | |
| **MONITOR UNIT** | | | | | |
| C3 | | | CK73GB1H472K | CHIP C 4700PF K | |

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| C4,5 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C602 | | * | C92-1779-08 | ELECTRO 10UF 16WV | |
| C603 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C604 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C605 | | | CC73GCH1H102J | CHIP C 1000PF J | |
| C606 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C607 | | | CK73GB1C473K | CHIP C 0.047UF K | |
| C608 | | | CK73FB1E104K | CHIP C 0.10UF K | |
| C610 | | | CK73GB1H222K | CHIP C 2200PF K | |
| C611 | | * | C92-1779-08 | ELECTRO 10UF 16WV | |
| C612 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C613 | | * | C92-1715-08 | ELECTRO 4.7UF 50WV | |
| C614 | | * | C91-2271-08 | ELECTRO 100UF 6.3WV | |
| C615 | | | CK73GB1C104K | CHIP C 0.10UF K | |
| C616 | | * | C91-2272-08 | ELECTRO 4.7UF 25WV | |
| C617 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C618 | | | CK73GB1C104K | CHIP C 0.10UF K | |
| C619 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C620 | | | CK73GB1E223K | CHIP C 0.022UF K | |
| C621 | | | CC73GCH1H561J | CHIP C 560PF J | |
| C623 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C624,625 | | | CK73GB1C104K | CHIP C 0.10UF K | |
| C626 | | * | C92-1782-08 | CHIP C 33PF J | |
| C627 | | * | C91-2271-08 | ELECTRO 100UF 6.3WV | |
| C628 | | * | C92-1779-08 | ELECTRO 10UF 16WV | |
| C629 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C630 | | | CK73FB1C474K | CHIP C 0.47UF K | |
| C631 | | | CK73GB1H682K | CHIP C 6800PF K | |
| C632 | | * | C92-1779-08 | ELECTRO 10UF 16WV | |
| C633 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C636 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C637 | | * | C92-1784-08 | ELECTRO 100UF 4WV | |
| C638,639 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C640 | | | CK73GB1E223K | CHIP C 0.022UF K | |
| C641-644 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C647,648 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C649,650 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C654 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C655 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C656 | | * | C92-1785-08 | ELECTRO 22UF 16WV | |
| C657 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C658-660 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C670,671 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C672,673 | | * | C92-1786-08 | CHIP C 10UF K | |
| C674 | | | CK73FB1A105K | CHIP C 1.0UF K | |
| C675 | | | CK73EB1C225K | CHIP C 2.2UF K | |
| C676 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C691 | | | CC73GCH1H390J | CHIP C 39PF J | |
| C692 | | | CC73GCH1H221J | CHIP C 220PF J | |
| C693 | | | CC73GCH1H390J | CHIP C 39PF J | |
| C694 | | | CC73GCH1H221J | CHIP C 220PF J | |
| C695 | | | CC73GCH1H030C | CHIP C 3.0PF C | |
| C701 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C706,707 | | * | C92-1717-08 | ELECTRO 100UF 10WV | |
| C711 | | | CK73FB1C105K | CHIP C 1.0UF K | |

**E** : Europe **K** : North America **M** : Other Areas
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# PARTS LIST

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| Ref. No. | Add | New | Parts No. | Description | | | Destination |
|---|---|---|---|---|---|---|---|
| C712,713 | | | CC73GCH1H150J | CHIP C | 15PF | J | |
| C714 | | * | C92-1787-08 | CHIP C | 0.068UF | J | |
| C716 | | * | C91-2259-08 | CHIP C | 18PF | J | |
| C801 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C802,803 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C804 | | | CK73FF1C225Z | CHIP C | 2.2UF | Z | |
| C805 | | * | C92-1788-08 | TANTALUM C | 10UF | 10WV | |
| C811,812 | | | CK73GB1H472K | CHIP C | 4700PF | K | |
| C813 | | | CK73FB1C474K | CHIP C | 0.47UF | K | |
| C814 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C815,816 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C817 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C818 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C819 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C820 | | | CC73FCH1H222J | CHIP C | 2200PF | J | |
| C825 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C826 | | | CC73GCH1H331J | CHIP C | 330PF | J | |
| C827 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C828 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C829 | | * | C92-1717-08 | ELECTRO | 100UF | 10WV | |
| C830,831 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C832,833 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C834 | | * | C92-1789-08 | ELECTRO | 220UF | 6.3WV | |
| C835 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C836 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C837 | | * | C92-1717-08 | ELECTRO | 100UF | 10WV | |
| C838 | | | CK73FF1C225Z | CHIP C | 2.2UF | Z | |
| C839 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C840 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C841 | | * | C92-1717-08 | ELECTRO | 100UF | 10WV | |
| C842 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C843 | | | CK73GB1H271K | CHIP C | 270PF | K | |
| C844 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C845 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C850 | | | CK73FF1C225Z | CHIP C | 2.2UF | Z | |
| C851 | | | CC73GCH1H150J | CHIP C | 15PF | J | |
| C868 | | * | C92-1712-08 | CHIP-TAN | 39UF | 16WV | |
| C871 | | * | C92-1712-08 | CHIP-TAN | 39UF | 16WV | |
| C901 | | | CC73GCH1H221J | CHIP C | 220PF | J | |
| C902 | | | CC73GCH1H390J | CHIP C | 39PF | J | |
| C904 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C905 | | | CK73FB1A105K | CHIP C | 1.0UF | K | |
| C907 | | | CC73GCH1H102J | CHIP C | 1000PF | J | |
| C909 | | * | C92-1711-08 | ELECTRO | 47UF | 16WV | |
| C910 | | | CC73GCH1H221J | CHIP C | 220PF | J | |
| C911,912 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C913 | | | CK73FF1C474Z | CHIP C | 0.47UF | Z | |
| C914,915 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C916 | | | CK73FB1A105K | CHIP C | 1.0UF | K | |
| C917 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C919 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C920 | | * | C91-2266-08 | CHIP C | 1500PF | J | |
| C921 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C922 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C923 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C924 | | | CC73GCH1H121J | CHIP C | 120PF | J | |
| C925 | | | CK73FB1C474K | CHIP C | 0.47UF | K | |
| C926 | | | CC73GCH1H102J | CHIP C | 1000PF | J | |
| C927 | | | CC73GCH1H220J | CHIP C | 22PF | J | |
| C928 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C929 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C930 | | | CC73GCH1H180J | CHIP C | 18PF | J | |
| C931 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C932 | | | CK73FB1C474K | CHIP C | 0.47UF | K | |
| C933 | | | CC73GCH1H561J | CHIP C | 560PF | J | |
| C934,935 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C936 | | | CK73FB1A105K | CHIP C | 1.0UF | K | |
| C941 | | | CC73GCH1H470J | CHIP C | 47PF | J | |
| C945 | | | CC73GCH1H470J | CHIP C | 47PF | J | |
| C946 | | * | C92-1711-08 | ELECTRO | 47UF | 16WV | |
| C947 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C948 | | | CC73GCH1H470J | CHIP C | 47PF | J | |
| C950 | | * | C92-1711-08 | ELECTRO | 47UF | 16WV | |
| C954 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C955 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C956 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C957 | | * | C92-1713-08 | ELECTRO | 100UF | 25WV | |
| C958 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C959 | | * | C92-1712-08 | CHIP-TAN | 39UF | 16WV | |
| C960 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C961 | | * | C92-1711-08 | ELECTRO | 47UF | 16WV | |
| C962 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1201 | | | CC73GCH1H101J | CHIP C | 100PF | J | |
| C1202 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1203 | | | CC73GCH1H101J | CHIP C | 100PF | J | |
| C1204 | | | CC73GCH1H102J | CHIP C | 1000PF | J | |
| C1207 | | | CC73FCH1H101J | CHIP C | 100PF | J | |
| C1208 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1209 | | | CK73FF1C225Z | CHIP C | 2.2UF | Z | |
| C1210 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C1211 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1212 | | | CC73GCH1H101J | CHIP C | 100PF | J | |
| C1213 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1215 | | | CC73GCH1H101J | CHIP C | 100PF | J | |
| C1217 | | | CC73GCH1H220J | CHIP C | 22PF | J | |
| C1219 | | | CK73FB1C105K | CHIP C | 1.0UF | K | |
| C1220 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1222 | | | CC73GCH1H220J | CHIP C | 22PF | J | |
| C1224 | | | CC73GCH1H150J | CHIP C | 15PF | J | |
| C1225 | | | CC73GCH1H470J | CHIP C | 47PF | J | |
| C1228 | | | CC73GCH1H470J | CHIP C | 47PF | J | |
| C1229 | | | CC73GCH1H150J | CHIP C | 15PF | J | |
| C1230 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C1231 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C1236 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C1238 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C1239 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C1240 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C1241 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C1271 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |

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| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| C1272 | | * | C92-1717-08 | ELECTRO 100UF 10WV | |
| C1273 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C1274 | | | CK73FB1E104K | CHIP C 0.10UF K | |
| C1275 | | * | C05-0519-08 | TRIMMER 30PF | |
| C1315 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C1316 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C1317 | | | CC73GCH1H470J | CHIP C 47PF J | |
| B1 | | * | E41-0185-08 | CONNECTOR 20P | |
| B2 | | * | E41-0184-08 | CONNECTOR 2P | |
| B3 | | * | E41-0396-08 | CONNECTOR 10P | |
| B4 | | * | E41-0397-08 | CONNECTOR 30P | |
| B6 | | * | E41-0182-08 | CONNECTOR 2P | |
| B7 | | | E40-9786-05 | CONNECTOR 4P | |
| L602-605 | | * | L33-1915-08 | SMALL FIXED INDUCTOR | |
| L607 | | * | L33-1915-08 | SMALL FIXED INDUCTOR | |
| L611 | | * | L33-1916-08 | SMALL FIXED INDUCTOR | |
| L612 | | * | L33-1917-08 | SMALL FIXED INDUCTOR | |
| L702 | | * | L33-1835-08 | CHOKE COIL | |
| L802 | | | L33-1189-08 | SMALL FIXED INDUCTOR | |
| L803 | | * | L33-1840-08 | PERKING COLE | |
| L804 | | * | L33-1827-08 | PERKING COLE | |
| L805 | | | L33-1190-08 | SMALL FIXED INDUCTOR | |
| L851 | | | L33-1198-08 | CHOKE COIL | |
| L857 | | * | L33-1839-08 | SMALL FIXED INDUCTOR | |
| L901,902 | | | L33-1804-08 | SMALL FIXED INDUCTOR | |
| L903-907 | | * | L92-0360-08 | BEADS CORE | |
| L908 | | * | L33-1828-08 | SMALL FIXED INDUCTOR | |
| L909 | | * | L92-0360-08 | BEADS CORE | |
| L910-912 | | * | L92-0359-08 | CHIP FERRITE | |
| L913 | | * | L92-0360-08 | BEADS CORE | |
| L914-917 | | | L33-1804-08 | SMALL FIXED INDUCTOR | |
| L1201 | | * | L92-0360-08 | BEADS CORE | |
| L1202 | | * | L92-0360-08 | BEADS CORE | |
| L1203 | | * | L92-0360-08 | BEADS CORE | |
| L1204 | | * | L92-0360-08 | BEADS CORE | |
| L1205 | | * | L92-0360-08 | BEADS CORE | |
| L1206 | | * | L33-1831-08 | SMALL FIXED INDUCTOR | |
| L1208 | | * | L92-0360-08 | BEADS CORE | |
| R981 | | * | L92-0359-08 | CHIP FERRITE | |
| T801 | | * | L19-0707-08 | TRANSFORMER DC-DC | |
| T802 | | * | L19-0741-08 | TRANSFORMER INVERTER | |
| X601 | | * | L77-2836-08 | CRYSTAL RESONATOR | |
| X602 | | * | L77-2837-08 | CRYSTAL RESONATOR | |
| X1201 | | * | L77-2804-08 | CRYSTAL RESONATOR | |
| Z901-903 | | * | L33-1834-08 | LINE FILTER COIL | |
| JAA1 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R2 | | | CK73FB1E104K | CHIP C 0.10UF K | |
| R4 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R601 | | | RK73GB2A750J | CHIP R 75 J 1/10W | |
| R602 | | | RK73GB1J121J | CHIP R 120 J 1/16W | |
| R603 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R604 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| R605 | | | RK73GB2A333J | CHIP R 33K J 1/10W | |
| R606 | | | RK73GB2A334J | CHIP R 330K J 1/10W | |
| R607,608 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R609 | | | RK73GB2A224J | CHIP R 220K J 1/10W | |
| R610 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R614 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R615 | | | RK73GB2A512J | CHIP R 5.1K J 1/10W | |
| R616 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R617 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R619 | | | RK73GB2A682J | CHIP R 6.8K J 1/10W | |
| R620 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| R621 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R622,623 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R624 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R625 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R626-628 | | | RK73FB2A750J | CHIP R 75 J 1/10W | |
| R629 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R632 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R633-636 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R637 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R638 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R639,640 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R642 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R644 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R645 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R646 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R670 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R672 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R673 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R677 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R691 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R692 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R693,694 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R695 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R696 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R702,703 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R708 | | * | R92-3312-08 | CHIP R 0.39 F 1/2W | |
| R711 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R713 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R714 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R715,716 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | |
| R801 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R802 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R803 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R806 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R807 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R809,810 | | | RK73GB2A394J | CHIP R 390K J 1/10W | |
| R811 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R812 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| R813,814 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R815 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R816 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R817 | | | RK73FB2A100J | CHIP R 10 J 1/10W | |
| R819 | | | RK73FB2A100J | CHIP R 10 J 1/10W | |
| R821 | | * | R92-3315-08 | CHIP R 2.0K D 1/16W | |

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| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| R823 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R824 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R825 | | * | R92-3411-08 | CHIP R 11K F 1/16W | |
| R826 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R827 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R828 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R829 | | | RN73GH1J222D | CHIP R 2.2K D 1/16W | |
| R830 | | | RN73GH1J182D | CHIP R 1.8K D 1/16W | |
| R831 | | | RN73GH1J473D | CHIP R 47K D 1/16W | |
| R832 | | * | R92-3326-08 | CHIP R 43K D 1/10W | |
| R833 | | | RK73GB2A124J | CHIP R 120K J 1/10W | |
| R834 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| R835 | | | RK73GB2A183J | CHIP R 18K J 1/10W | |
| R837 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R839 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R900 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R901 | | | R92-3263-08 | CHIP R 82K F 1/10W | |
| R902 | | | RN73GH1J104D | CHIP R 100K D 1/16W | |
| R903 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R904 | | | R92-3265-08 | CHIP R 330K F 1/10W | |
| R905 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R906 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R907 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R909 | | * | R92-3334-08 | CHIP R 82K F 1/16W | |
| R910 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R911 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R912 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R914 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R915 | | | RK73GB2A563J | CHIP R 56K J 1/10W | |
| R916 | | | RK73GB2A821J | CHIP R 820 J 1/10W | |
| R917 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R918 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R919 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R920 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | |
| R921 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R922 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R923 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | |
| R924,925 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R928 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R929 | | | RN73GH1J563D | CHIP R 56K D 1/16W | |
| R930 | | | RK73GB2A272J | CHIP R 2.7K J 1/10W | |
| R931 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R932 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R933 | | | RK73GB2A153J | CHIP R 15K J 1/10W | |
| R934 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R935 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R936 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R937 | | | RK73GB2A273J | CHIP R 27K J 1/10W | |
| R938 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R940 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R941 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R942 | | | RN73GH1J223D | CHIP R 22K D 1/16W | |
| R943 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | |
| R944 | | | RK73GB2A683J | CHIP R 68K J 1/10W | |
| R945 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R946 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R947 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R948-950 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R951 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R952 | | | RK73GB2A124J | CHIP R 120K J 1/10W | |
| R953 | | | RK73GB2A154J | CHIP R 150K J 1/10W | |
| R954 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R955,956 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R957 | | | RK73GB2A393J | CHIP R 39K J 1/10W | |
| R958 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R959 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R960 | | | RK73GB2A683J | CHIP R 68K J 1/10W | |
| R961 | | | RN73GH1J472D | CHIP R 4.7K D 1/16W | |
| R962 | | | RN73GH1J182D | CHIP R 1.8K D 1/16W | |
| R963 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R964 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R965,966 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R967 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R968,969 | | | RK73GB2A470J | CHIP R 47 J 1/10W | |
| R971,972 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R974 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R976,977 | | | RK73GB2A564J | CHIP R 560K J 1/10W | |
| R979 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R980 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R985 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R986 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R987 | | * | R92-3412-08 | CHIP R 20K F 1/16W | |
| R990,991 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R992 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R993 | | | RK73GB2A183J | CHIP R 18K J 1/10W | |
| R994 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R995,996 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R999 | | * | R92-3334-08 | CHIP R 82K F 1/16W | |
| R1008 | | | RK73GB2A183J | CHIP R 18K J 1/10W | |
| R1009 | | | RK73GB2A123J | CHIP R 12K J 1/10W | |
| R1012 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1016 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1018 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1201 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R1202 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1203 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1204 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1205 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R1206 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1207 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1208 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R1209 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R1210 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1211 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1212 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1214 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1215 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1216 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1217 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1218 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |

**E** : Europe **K** : North America **M** : Other Areas
**W** : Without Europe

⚠ indicates safety critical components.

# PARTS LIST

*New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohane **Parts No.** werden nicht geliefert.

**MONITOR UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| R1220 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1221 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R1222 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1223 | | | RK73GB2A122J | CHIP R 1.2K J 1/10W | |
| R1224 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1225 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1226 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1227 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1228 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1229 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1230 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1232 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1233 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R1234 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R1235 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1236 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1237 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1239 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1240 | | * | R92-3319-08 | CHIP R 7.5K D 1/10W | |
| R1241 | | * | R92-3319-08 | CHIP R 7.5K D 1/10W | |
| R1242 | | * | R92-3319-08 | CHIP R 7.5K D 1/10W | |
| R1243 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1245 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1246 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1247 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1248 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1249 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1250 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1251 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1252 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1268 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1269 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1271 | | | RK73FB2A120J | CHIP R 12 J 1/10W | |
| R1277 | | | RN73GH1J473D | CHIP R 47K D 1/16W | |
| R1278 | | | RN73GH1J103D | CHIP R 10K D 1/16W | |
| R1279 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1280 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1282 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R1283 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1284 | | * | R92-3329-08 | CHIP R 1.0K J 1/4W | |
| R1296 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1298 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R1299 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R1300 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1301 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1302 | | | RN73GH1J103D | CHIP R 10K D 1/16W | |
| R1303 | | | RN73GH1J104D | CHIP R 100K D 1/16W | |
| R1304 | | * | R92-3328-08 | CHIP R 8.2K D 1/16W | |
| R1305 | | * | R92-3328-08 | CHIP R 8.2K D 1/16W | |
| R1306 | | * | R92-3413-08 | CHIP R 4.12K F 1/16W | |
| R1307 | | * | R92-3328-08 | CHIP R 8.2K D 1/16W | |
| R1308 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1309 | | * | R92-3317-08 | CHIP R 1.05K D 1/10W | |
| R1310 | | * | R92-3317-08 | CHIP R 1.05K D 1/10W | |
| R1311 | | * | R92-3317-08 | CHIP R 1.05K D 1/10W | |
| R1312 | | * | R92-3318-08 | CHIP R 1.21K D 1/10W | |
| R1313 | | * | R92-3318-08 | CHIP R 1.21K D 1/10W | |
| R1314 | | * | R92-3318-08 | CHIP R 1.21K D 1/10W | |
| R1315 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1316 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1317 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1318 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1319 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1320 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R1321 | | | RK73FB2A681J | CHIP R 680 J 1/10W | |
| R1322 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1323 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R1324 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R1325 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1326 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1327 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1329 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1330 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R1331 | | | RK73FB2A471J | CHIP R 470 J 1/10W | |
| R1332 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R1333 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R1334 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1335 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1336 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R1337 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| VR851 | | * | R32-0280-08 | SEMI FIXED VARI. RESI. 20K OHM | |
| VR852 | | * | R32-0279-08 | SEMI FIXED VARI. RESI. 2K OHM | |
| VR863 | | * | R32-0276-08 | SEMI FIXED VARI. RESI. 1K OHM | |
| VR901 | | * | R32-0277-08 | SEMI FIXED VARI. RESI. 10K OHM | |
| D602 | | | MA704A | DIODE | |
| D603-605 | | | MA8068-M | ZENER DIODE | |
| D702 | | | MA8120-M | ZENER DIODE | |
| D703 | | | 1SS355 | DIODE | |
| D803 | | | DCB010 | DIODE | |
| D804 | | * | EC10QS10 | DIODE | |
| D805-808 | | | EC10QS04 | DIODE | |
| D809 | | | MA8360-M | ZENER DIODE | |
| D823 | | * | MA8200-L | ZENER DIODE | |
| D904 | | | MA338 | DIODE | |
| D905 | | | MA704WA | DIODE | |
| D906,907 | | | MA8056-M | ZENER DIODE | |
| D1201 | | | MA8068-M | ZENER DIODE | |
| D1202 | | | 1SS355 | DIODE | |
| D1204 | | | 1SS355 | DIODE | |
| D1205 | | | 1SS355 | DIODE | |
| D1207 | | | MA111 | DIODE | |
| D1281 | | | 1SS355 | DIODE | |
| D1282 | | | 1SS355 | DIODE | |
| D1287 | | | MA8068-M | ZENER DIODE | |
| D1289 | | | MA8068-M | ZENER DIODE | |
| D1290 | | | MA8068-M | ZENER DIODE | |
| D1291 | | | MA8068-M | ZENER DIODE | |
| D1304 | | | MA111 | DIODE | |
| D1305 | | | MA8068-M | ZENER DIODE | |

**E** : Europe **K** : North America **M** : Other Areas
**W** : Without Europe

⚠ indicates safety critical components.

# PARTS LIST

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**MONITOR UNIT**
**TUNER UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| D1306 | | | MA8068-M | ZENER DIODE | |
| D1307 | | | MA8068-M | ZENER DIODE | |
| D1308 | | | MA8068-M | ZENER DIODE | |
| D1309 | | | MA8068-M | ZENER DIODE | |
| D1310 | | | MA8068-M | ZENER DIODE | |
| D1311 | | | MA8068-M | ZENER DIODE | |
| D1312 | | | MA8068-M | ZENER DIODE | |
| ICP85 | | * | UNHH20200L | IC(PROTECTOR)(1.0A) | |
| ICP85 | | * | UNHH20600L | IC(PROTECTOR)(2.3A) | |
| IC601 | | | AN2546FH-A | IC | |
| IC602 | | | LA7217M | IC | |
| IC604 | | | TC7W53FU | IC(2-CHANNEL MULTIPLEXER) | |
| IC605 | | * | TDA4662T-T | IC | |
| IC606 | | * | SN74AHCTIG08CK | IC | |
| IC851 | | * | FA7703V-TE1 | IC | |
| IC901 | | | C0HBA0000061 | IC | |
| IC902 | | | TA75S01F | IC(OP AMP) | |
| IC903 | | | TA75W558FU | IC(OP AMP X2) | |
| IC904 | | | MN13821-GTX | IC | |
| IC905 | | | TVSA0446 | IC | |
| IC1201 | | * | C2BBGE000616 | IC | |
| IC1203 | | * | 24LC04BT-I/SN | IC | |
| IC1204 | | | MN1382R | IC | |
| IC1205 | | | TVSA0447 | IC | |
| IC1206 | | | TVSA0446 | IC | |
| IC1208 | | | TA75W558FU | IC(OP AMP X2) | |
| IC1209 | | | TA75S393F | IC | |
| IC1211 | | | TA7805F | IC(VOLTAGE REGULATOR) | |
| Q601-603 | | * | 2SD1819AR | TRANSISTOR | |
| Q604 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q605 | | * | 2SK2158M | TRANSISTOR | |
| Q611,612 | | * | 2SD1819AR | TRANSISTOR | |
| Q701 | | * | IRFU9024NTR | TRANSISTOR | |
| Q702,703 | | * | 2SD1803ST-TL | TRANSISTOR | |
| Q704 | | * | 2SD1819AR | TRANSISTOR | |
| Q705 | | | UN5214 | DIGITAL TRANSISTOR | |
| Q706 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q712 | | * | 2SB709ARTX | TRANSISTOR | |
| Q802 | | * | 2SD1803ST-TL | TRANSISTOR | |
| Q804 | | * | IRFU9024NTR | TRANSISTOR | |
| Q805 | | | 2SD2185R | TRANSISTOR | |
| Q806 | | * | 2SB709ARTX | TRANSISTOR | |
| Q807 | | | UN5211 | DIGITAL TRANSISTOR | |
| Q808 | | | UN5214 | DIGITAL TRANSISTOR | |
| Q902 | | * | 2SD1819AR | TRANSISTOR | |
| Q903 | | * | 2SK2158M | TRANSISTOR | |
| Q905 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q906 | | | UN5214 | DIGITAL TRANSISTOR | |
| Q907 | | * | 2SK2158M | TRANSISTOR | |
| Q908 | | | IMZ1A | TRANSISTOR | |
| Q909 | | * | 2SD1819AR | TRANSISTOR | |
| Q910 | | * | 2SB709ARTX | TRANSISTOR | |
| Q911 | | * | 2SD1819AR | TRANSISTOR | |
| Q915 | | * | 2SD1819AR | TRANSISTOR | |
| Q916 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q917 | | * | 2SD1819AR | TRANSISTOR | |
| Q1201 | | | UN5214 | DIGITAL TRANSISTOR | |
| Q1202 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q1205 | | | FMC4A | TRANSISTOR | |
| Q1212 | | * | UN5111TX | DIGITAL TRANSISTOR | |
| Q1213 | | * | UN5111TX | DIGITAL TRANSISTOR | |
| Q1214 | | | UN5211 | DIGITAL TRANSISTOR | |
| Q1215 | | | UN5211 | DIGITAL TRANSISTOR | |
| Q1216 | | | 2SC2404-CTX | TRANSISTOR | |
| Q1217 | | | 2SC2404-CTX | TRANSISTOR | |
| Q1218 | | | 2SC2404-CTX | TRANSISTOR | |
| Q1219 | | * | 2SJ358-T1 | TRANSISTOR | |
| Q1220 | | | 2SD2185R | TRANSISTOR | |
| Q1222 | | | UN5213 | DIGITAL TRANSISTOR | |
| TH1201 | | * | NT732BTD30K | THERMISTOR | |

## TUNER UNIT

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| C61 ,62 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C401 | | * | C90-5410-08 | ELECTRO | 22UF | 50WV | |
| C402 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C403 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C404 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C405 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C406,407 | | | CK73FB1H272K | CHIP C | 2700PF | K | |
| C408,409 | | | CK73FB1C105K | CHIP C | 1.0UF | K | |
| C412-414 | | * | C90-5408-08 | ELECTRO | 10UF | 50WV | |
| C502 | | | CK73FB1E104K | CHIP C | 0.10UF | K | |
| C503 | | | CK73FB1C105K | CHIP C | 1.0UF | K | |
| C504 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C505 | | * | C90-5409-08 | ELECTRO | 1.0UF | 50WV | |
| C506 | | * | C90-5403-08 | ELECTRO | 330UF | 16WV | |
| C507 | | | CK73FB1H104K | CHIP C | 0.10UF | K | |
| C508 | | * | C90-5408-08 | ELECTRO | 10UF | 50WV | |
| C510 | | | CK73GB1C104K | CHIP C | 0.10UF | K | |
| C511 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C513 | | | CK73FB1E154K | CHIP C | 0.15UF | K | |
| C801 | | | C90-5407-08 | ELECTRO | 33UF | 25WV | |
| C803 | | * | C90-5399-08 | ELECTRO | 100UF | 16WV | |
| C805 | | * | C90-5399-08 | ELECTRO | 100UF | 16WV | |
| C808 | | * | C90-5402-08 | ELECTRO | 100UF | 16WV | |
| C809 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C811 | | * | C90-5409-08 | ELECTRO | 1.0UF | 50WV | |
| C812 | | * | C90-5399-08 | ELECTRO | 100UF | 16WV | |
| C814 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C820 | | | CK73GB1H102K | CHIP C | 1000PF | K | |
| C821 | | * | C90-5404-08 | ELECTRO | 470UF | 16WV | |
| C824 | | | CK73FF1H224Z | CHIP C | 0.22UF | Z | |
| C1001 | | | CC73FCH1H150J | CHIP C | 15PF | J | |
| C1002 | | | CC73FCH1H150J | CHIP C | 15PF | J | |
| C1003 | | | CK73FB1H103K | CHIP C | 0.010UF | K | |
| C1004 | | | CC73FCH1H101J | CHIP C | 100PF | J | |
| C1005 | | | CC73FCH1H101J | CHIP C | 100PF | J | |
| C1006 | | | CC73FCH1H101J | CHIP C | 100PF | J | |
| C1008 | | | CK73GB1H103K | CHIP C | 0.010UF | K | |
| C1012 | | | CK73FB1C224K | CHIP C | 0.22UF | K | |
| C1014 | | | CC73FCH1H471J | CHIP C | 470PF | J | |

**E** : Europe **K** : North America **M** : Other Areas
**W** : Without Europe

⚠ indicates safety critical components.

# PARTS LIST

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**TUNER UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| C1016 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1017 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C1018 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C1019 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C1020 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C1023 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1024 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1026 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1028 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C1029 | | | CC73GCH1H150J | CHIP C 15PF J | |
| C1030 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1031 | | * | C90-5410-08 | ELECTRO 22UF 50WV | |
| C1601 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1602 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1603 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1604 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1605 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1606 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1607 | | * | C92-1790-08 | ELECTRO 10UF 50WV | |
| C1608 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1609 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1610 | | * | C90-5401-08 | ELECTRO 1000UF 16WV | |
| C1611 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1614 | | * | C90-5401-08 | ELECTRO 1000UF 16WV | |
| C1616 | | | CC73FCH1H101J | CHIP C 100PF J | |
| C1650 | | * | C90-5407-08 | ELECTRO 33UF 25WV | |
| C1680 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1810 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1811 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1812 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1814 | | | CK73FB1H103K | CHIP C 0.010UF K | |
| C1823 | | | CK73FB1H104K | CHIP C 0.10UF K | |
| C1824 | | | CK73FB1H104K | CHIP C 0.10UF K | |
| C1830 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1831 | | * | C90-5410-08 | ELECTRO 22UF 50WV | |
| C1832 | | * | C90-5410-08 | ELECTRO 22UF 50WV | |
| C1833 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1834 | | * | C90-5408-08 | ELECTRO 10UF 50WV | |
| C1835 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1837 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1838 | | * | C90-5402-08 | ELECTRO 100UF 16WV | |
| C1839 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1841 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C1868 | | | CK73FB1H102K | CHIP C 1000PF K | |
| A5 | | * | E41-0187-08 | CONNECTOR(10P)POWER SUPPLY | |
| A6 | | * | E58-0929-08 | CONNECTOR 20P | |
| A8 | | * | E63-0878-08 | RCA PIN (6P) | |
| A9 | | * | E63-0879-08 | RCA PIN (4P) | |
| A11 | | * | E56-0838-08 | CONNECTOR 13P | |
| L501 | | | R92-2053-05 | CHIP R 0 OHM J 1/8W | |
| L801 | | * | L33-1837-08 | CHOKE COIL | |
| L804 | | * | L33-1837-08 | CHOKE COIL | |
| L1831 | | | R92-2053-05 | CHIP R 0 OHM J 1/8W | |
| X1001 | | * | L77-2803-08 | CRYSTAL RESONATOR | |

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| JAB1 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R401 | | | RK73FB2A362J | CHIP R 3.6K J 1/10W | |
| R402 | | | RK73GB1J362J | CHIP R 3.6K J 1/16W | |
| R403,404 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R503 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | |
| R504,505 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | |
| R506 | | | RK73GB1J563J | CHIP R 56K J 1/16W | |
| R507 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R508,509 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R510 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | |
| R511 | | | RK73GB1J563J | CHIP R 56K J 1/16W | |
| R512 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | |
| R515 | | | RK73FB2B102J | CHIP R 1.0K J 1/8W | |
| R516 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R517,518 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R519 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R520 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R802 | | | RK73FB2A331J | CHIP R 330 J 1/10W | |
| R804 | | * | R92-3321-08 | RN R 2.2 J 1W | |
| R805 | | | RK73FB2A331J | CHIP R 330 J 1/10W | |
| R806 | | | RK73FB2B120J | CHIP R 12 J 1/8W | |
| R815 | | | RK73FB2A221J | CHIP R 220 J 1/10W | |
| R816 | | | RK73GB1J331J | CHIP R 330 J 1/16W | |
| R818 | | | RN73GH1J562D | CHIP R 5.6K D 1/16W | |
| R819 | | | RN73GH1J333D | CHIP R 33K D 1/16W | |
| R821 | | * | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R822 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R824 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R826 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R827 | | | RK73FB2A223J | CHIP R 22K J 1/10W | |
| R828 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R829 | | | RK73FB2A273J | CHIP R 27K J 1/10W | |
| R830 | | | RK73FB2A223J | CHIP R 22K J 1/10W | |
| R831 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | |
| R842 | | | RK73FB2B102J | CHIP R 1.0K J 1/8W | |
| R843 | | * | R92-3313-08 | CHIP R 2.7 J 1/4W | |
| R1006 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1007 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1008 | | | L92-0358-08 | BEADS CORE | |
| R1009 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1010 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1011 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1012 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1014 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1015 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1016 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | |
| R1017 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | |
| R1018 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1019 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1020 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1023 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | |
| R1024 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1025 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1026 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1028 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | |

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**W** : Without Europe

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# PARTS LIST

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**TUNER UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| R1029 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | |
| R1034 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1035 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R1041 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1042 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | |
| R1043 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1044 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1045 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1046 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1047 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | |
| R1048 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1051 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1053 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R1054 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | |
| R1062 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R1063 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1068 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1069 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1078 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R1079 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1081 | | | RK73GB1J471J | CHIP R 470 J 1/16W | |
| R1084 | | | RK73FB2A682J | CHIP R 6.8K J 1/10W | |
| R1085 | | | RK73GB1J104J | CHIP R 100K J 1/16W | |
| R1086 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1087 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1090 | | | RK73FB2B122J | CHIP R 1.2K J 1/8W | |
| R1092 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1093 | | | RK73GB1J101J | CHIP R 100 J 1/16W | |
| R1094 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1095 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1096 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1097 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1098 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1099 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R1601 | | * | R92-3320-08 | CHIP R 75 F 1/16W | |
| R1602 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R1603 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1604 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R1605 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1610 | | * | R92-3320-08 | CHIP R 75 F 1/16W | |
| R1611 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R1612 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1613 | | | RK73FB2A473J | CHIP R 47K J 1/10W | |
| R1614 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1616 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1617 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1618 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1619 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1621 | | | RK73FB2A563J | CHIP R 56K J 1/10W | |
| R1630 | | | RD14DB2H271J | SMALL-RD 270 J 1/2W | |
| R1632 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1633 | | | RK73FB2A680J | CHIP R 68 J 1/10W | |
| R1634 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1636 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1637 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| R1639 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1641 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R1642 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1643 | | | RK73FB2A472J | CHIP R 4.7K J 1/10W | |
| R1644 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1645 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1646 | | * | R92-3320-08 | CHIP R 75 F 1/16W | |
| R1648 | | | RD14DB2H271J | SMALL-RD 270 J 1/2W | |
| R1650 | | | RK73FB2A680J | CHIP R 68 J 1/10W | |
| R1677 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1678 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1679 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1680 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1682 | | | RK73FB2B102J | CHIP R 1.0K J 1/8W | |
| R1685 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1690 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1694 | | | RK73GB1J223J | CHIP R 22K J 1/16W | |
| R1695 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R1696 | | | RK73FB2A331J | CHIP R 330 J 1/10W | |
| R1801 | | | RK73FB2A221J | CHIP R 220 J 1/10W | |
| R1802 | | | RK73FB2A221J | CHIP R 220 J 1/10W | |
| R1803 | | | RK73FB2A221J | CHIP R 220 J 1/10W | |
| R1804 | | | RK73FB2A221J | CHIP R 220 J 1/10W | |
| R1805 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1806 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R1807 | | | RK73FB2A333J | CHIP R 33K J 1/10W | |
| R1808 | | | RK73FB2A333J | CHIP R 33K J 1/10W | |
| R1810 | | | RK73FB2A2R7J | CHIP R 2.7 J 1/10W | |
| R1811 | | | CK73FB1H332K | CHIP C 3300PF K | |
| R1856 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1857 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R1858 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3124 | | | RK73FB2B151J | CHIP R 150 J 1/8W | |
| R3125 | | | RK73FB2B151J | CHIP R 150 J 1/8W | |
| R3160 | | | RK73FB2A152J | CHIP R 1.5K J 1/10W | |
| R3161 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | |
| R3162 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R3163 | | | RK73FB2A393J | CHIP R 39K J 1/10W | |
| R3164 | | | RK73GB1J393J | CHIP R 39K J 1/16W | |
| R3165 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R3166 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R3167 | | | RK73GB1J393J | CHIP R 39K J 1/16W | |
| R3168 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | |
| R3169 | | | RK73GB1J103J | CHIP R 10K J 1/16W | |
| R3171 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R3172 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R3173 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3174 | | | R92-1252-05 | CHIP R 0 OHM J 1/16W | |
| R3176 | | | RK73FB2A223J | CHIP R 22K J 1/10W | |
| R3177 | | | RK73FB2A223J | CHIP R 22K J 1/10W | |
| D501,502 | | | MA111 | DIODE | |
| D515 | | * | MA8075-L | ZENER DIODE | |
| D803 | | | MA111 | DIODE | |
| D804 | | * | MA8360MTX | ZENER DIODE | |
| D806 | | * | MA8360MTX | ZENER DIODE | |

**E** : Europe **K** : North America **M** : Other Areas
**W** : Without Europe

⚠ indicates safety critical components.

# PARTS LIST

*New Parts
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Teile ohane **Parts No.** werden nicht geliefert.

**TUNER UNIT**
**SWITCH UNIT**

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|---|---|---|---|---|
| D807 | | * | M1M151KT1 | DIODE | |
| D808 | | | ZSA5MA27 | DIODE | |
| D809 | | | M1M151KT1 | DIODE | |
| D810 | | | MA8068-M | ZENER DIODE | |
| D811,812 | | * | M1M151KT1 | DIODE | |
| D817 | | | MA111 | DIODE | |
| D1001 | | | MA704A | DIODE | |
| D1003 | | | MA111 | DIODE | |
| D1601 | | | MA8120-M | ZENER DIODE | |
| D1602 | | * | MA8360MTX | ZENER DIODE | |
| D1605 | | | MA8120-M | ZENER DIODE | |
| D1606 | | | MA8120-M | ZENER DIODE | |
| D1607 | | | MA8120-M | ZENER DIODE | |
| D1608 | | * | MA8360MTX | ZENER DIODE | |
| D1609 | | * | MA8360MTX | ZENER DIODE | |
| D1610 | | * | MA8360MTX | ZENER DIODE | |
| D1611 | | * | MA8360MTX | ZENER DIODE | |
| D1615 | | | MA8120-M | ZENER DIODE | |
| D1616 | | | MA8120-M | ZENER DIODE | |
| D1617 | | | MA8120-M | ZENER DIODE | |
| D1618 | | | MA8120-M | ZENER DIODE | |
| D1619 | | | MA8120-M | ZENER DIODE | |
| D1620 | | * | MA8360MTX | ZENER DIODE | |
| D1621 | | * | MA8360MTX | ZENER DIODE | |
| D1622 | | * | MA8360MTX | ZENER DIODE | |
| D1807 | | * | MA8160HTX | ZENER DIODE | |
| D1808 | | * | MA8160HTX | ZENER DIODE | |
| D3101 | | * | MA8360MTX | ZENER DIODE | |
| D3102 | | * | MA8360MTX | ZENER DIODE | |
| D3103 | | * | MA8360MTX | ZENER DIODE | |
| D3104 | | | MA8068-M | ZENER DIODE | |
| D3105 | | | MA8068-M | ZENER DIODE | |
| ICP50 | | * | UNH0108 | IC(PROTECTOR)(0.8A) | |
| ICP80 | | * | UNH0115 | IC(PROTECTOR)(1.5A) | |
| IC401 | | * | LC75342M-TLM | IC(E.VOLUME) | |
| IC501 | | * | TDA7052A | IC | |
| IC502 | | | IMZ1A | TRANSISTOR | |
| IC802 | | | BA51W12ST | IC | |
| IC804 | | | AN78L05M-E1 | IC | |
| IC805 | | | BA08ST | IC | |
| IC809 | | | M5237ML-600C | IC(VOLTAGE REGULATOR) | |
| IC1001 | | * | C2BBFE000119 | IC | |
| IC1002 | | * | C3EBCC000018 | IC | |
| IC1003 | | | TVSA0032 | IC | |
| IC1004 | | | TC7W14FU | IC | |
| IC1006 | | | MN1382S | IC | |
| IC1010 | | | TVSA0124 | IC | |
| IC1601 | | | TA75S01F | IC(OP AMP) | |
| IC1801 | | | CXA2069Q | IC | |
| IC1803 | | | BA3121F | IC(ISO AMP) | |
| IC1804 | | | BA3121F | IC(ISO AMP) | |
| Q501 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q502 | | | 2SC2404-CTX | TRANSISTOR | |
| Q521 | | | 2SD1819A | TRANSISTOR | |
| Q522 | | | UN5219TX | DIGITAL TRANSISTOR | |
| Q805 | | | 2SB1202ST-TL | TRANSISTOR | |
| Q1006 | | | UN5113TX | DIGITAL TRANSISTOR | |
| Q1009 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q1010 | | | UN5113TX | DIGITAL TRANSISTOR | |
| Q1012 | | | UN5213 | DIGITAL TRANSISTOR | |
| Q1014 | | | UN5214 | DIGITAL TRANSISTOR | |
| Q1605 | | | 2SB709ARSTX | TRANSISTOR | |
| Q1606 | | | DTC323TK | DIGITAL TRANSISTOR | |
| Q1607 | | | DTC323TK | DIGITAL TRANSISTOR | |
| Q1608 | | | 2SB1218ARSTX | TRANSISTOR | |
| Q1610 | | | 2SB709ARSTX | TRANSISTOR | |
| Q1616 | | | DTC323TK | DIGITAL TRANSISTOR | |
| Q1617 | | | UN221F | DIGITAL TRANSISTOR | |
| Q1618 | | | UN221F | DIGITAL TRANSISTOR | |
| Q1619 | | | UN221F | DIGITAL TRANSISTOR | |
| Q1620 | | | UN521FTX | DIGITAL TRANSISTOR | |
| **SWITCH UNIT** | | | | | |
| C3202 | | | CK73FB1E104K | CHIP C 0.10UF K | |
| C3204 | | | CK73FB1E104K | CHIP C 0.10UF K | |
| C3206 | | | CK73FB1C474K | CHIP C 0.47UF K | |
| C3207 | | | CK73FB1H102K | CHIP C 1000PF K | |
| C3 | | | E41-0198-08 | CONNECTOR 10P | |
| JAA2 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3201 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3202 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R3203 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3205 | | | RK73FB2B470J | CHIP R 47 J 1/8W | |
| R3206 | | | R92-2052-05 | CHIP R 0 OHM J 1/10W | |
| R3208 | | | RK73FB2B102J | CHIP R 1.0K J 1/8W | |
| R3210 | | | RK73FB2B224J | CHIP R 220K J 1/8W | |
| R3213 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R3216 | | | RK73FB2B272J | CHIP R 2.7K J 1/8W | |
| R3217 | | | RK73FB2B182J | CHIP R 1.8K J 1/8W | |
| R3218 | | | RK73FB2B302J | CHIP R 3.0K J 1/8W | |
| R3219 | | | RK73FB2B470J | CHIP R 47 J 1/8W | |
| R3220 | | | RK73FB2B103J | CHIP R 10K J 1/8W | |
| R3221 | | | RK73FB2B303J | CHIP R 30K J 1/8W | |
| SW3201 | | | S70-0889-08 | SWITCH | |
| SW3202 | | | S70-0889-08 | SWITCH | |
| SW3203 | | | S70-0889-08 | SWITCH | |
| SW3204 | | | S70-0889-08 | SWITCH | |
| SW3205 | | | S70-0889-08 | SWITCH | |
| D3201 | | | PNA4603H00LB | DIMMER SENSOR | |
| D3202 | | | MA8160MTX | ZENER DIODE | |
| D3203 | | | MA8068-M | ZENER DIODE | |
| D3204 | | | MA8160MTX | ZENER DIODE | |
| D3206 | | | MA8360MTX | ZENER DIODE | |
| D3207 | | | MA8068-M | ZENER DIODE | |
| D3208 | | | MA8120-M | ZENER DIODE | |
| D3210 | | | MA8068-M | ZENER DIODE | |
| D3212 | | | MA8068-M | ZENER DIODE | |
| D3221 | | | B30-1638-08 | LED | |
| RM3201 | | | PNA4602M00LB | REMOTE CONTROL SENSOR | |

**E** : Europe **K** : North America **M** : Other Areas
**W** : Without Europe

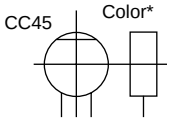
⚠ indicates safety critical components.

# PARTS LIST

## CAPACITORS

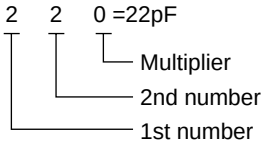
| CC | 45 | TH | 1H | 220 | J |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |

1 = Type ...ceramic, electrolytic, etc.
2 = Shape ...round, square, etc.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance




**•Capacitor value**

010= 1pF
100= 10pF
101= 100pF
102= 1000pF=0.001μF
103= 0.01μF




**• Temperature coefficient**

| 1st Word | C | L | P | R | S | T | U |
|---|---|---|---|---|---|---|---|
| Color* | Black | Red | Orange | Yellow | Green | Blue | Violet |
| ppm/°C | 0 | -80 | -150 | -220 | -330 | -470 | -750 |

| 2nd Word | G | H | J | K | L |
|---|---|---|---|---|---|
| ppm/°C | ±30 | ±60 | ±120 | ±250 | ±500 |

Example : CC45TH = -470 ± 60ppm/°C

**• Tolerance (More than 10pF)**

| Code | C | D | G | J | K | M | X | Z | P | No code |
|---|---|---|---|---|---|---|---|---|---|---|
| (%) | ±0.25 | ±0.5 | ±2 | ±5 | ±10 | ±20 | +40 | +80 | +100 | More than 10μF -10~+50 |
| | | | | | | | -40 | -20 | -0 | Less than 4.7μF -10~+75 |

**(Less than 10pF)**

| Code | B | C | D | F | G |
|---|---|---|---|---|---|
| (pF) | ±0.1 | ±0.25 | ±0.5 | ±1 | ±2 |

**• Voltage rating**

| 2nd word / 1st word | A | B | C | D | E | F | G | H | J | K | V |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.0 | 1.25 | 1.6 | 2.0 | 2.5 | 3.15 | 4.0 | 5.0 | 6.3 | 8.0 | - |
| 1 | 10 | 12.5 | 16 | 20 | 25 | 31.5 | 40 | 50 | 63 | 80 | 35 |
| 2 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | - |
| 3 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | - |

**• Chip capacitors**

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip)(CH,RH,UJ,SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip)(B,F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

**Dimension (Chip capacitors)**

| Dimension code | L | W | T |
|---|---|---|---|
| Empty | 5.6 ± 0.5 | 5.0 ± 0.5 | Less than 2.0 |
| A | 4.5 ± 0.5 | 3.2 ± 0.4 | Less than 2.0 |
| B | 4.5 ± 0.5 | 2.0 ± 0.3 | Less than 2.0 |
| C | 4.5 ± 0.5 | 1.25 ± 0.2 | Less than 1.25 |
| D | 3.2 ± 0.4 | 2.5 ± 0.3 | Less than 1.5 |
| E | 3.0 ± 0.2 | 1.6 ± 0.2 | Less than 1.25 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | Less than 1.25 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | Less than 1.0 |
| H | 1.0 ± 0.05 | 0.5 ± 0.05 | 0.5 ± 0.05 |

## RESISTORS

**• Chip resistor (Carbon)**

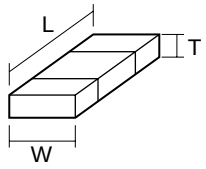
(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip)(B,F)

**• Carbon resistor (Normal type)**

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

**Dimension**




**Dimension (Chip resistor)**

| Dimension code | L | W | T |
|---|---|---|---|
| E | 3.2 ± 0.2 | 1.6 ± 0.2 | 1.0 |
| F | 2.0 ± 0.3 | 1.25 ± 0.2 | 1.0 |
| G | 1.6 ± 0.2 | 0.8 ± 0.2 | 0.5 ± 0.1 |
| H | 1.0 ± 0.05 | 0.5 ± 0.05 | 0.35 ± 0.05 |

**Rating wattage**

| Code | Wattage | Code | Wattage | Code | Wattage |
|---|---|---|---|---|---|
| 1J | 1/16W | 2C | 1/16W | 3A | 1W |
| 2A | 1/10W | 2E | 1/4W | 3D | 2W |
| 2B | 1/8W | 2H | 1/2W | | |

# LZ-7500

## SPECIFICATIONS

**MONITOR**

- Screen Size ..... 6.95 inch Wide
  154.1 (W) x 86.6 (H) x176.7 (D) mm
  6-1/16 (W) x 3-7/16 (H) x 6-15/16 (D) inch
- Display System ..... Transparent TN LCD panel
- Drive System ..... TFT active matrix system
- Number of Pixels ..... 336,960 (480H x 234V x RGB)
- Effective Pixels ..... 99.99%
- Pixel Arrangement ..... RGB Striped arrangement
- Backlighting ..... Cold Cathode Tube
- Speaker Power ..... 1W (ϕ40 x 1)

**Hideaway Unit**

- Color System ..... NTSC/PAL Compatible
- Video Input (RCA jack x 2)
  - Video Input Level ..... 1±0.1Vp-p/75Ω
  - Audio Input Level ..... 1V/22kΩ
- Camera Video Input (RCA jack x 1)
  - Video Input Level ..... 1±0.1Vp-p/75Ω
- Video Output (RCA jack x 1)
  - Video Output Level ..... 1±0.1Vp-p/75Ω
  - Audio Output Level ..... 500mV/1kΩ
- RGB Input (13P) ..... 0.7Vp-p/75Ω

**General**

- Operating Voltage ..... 14.4V (11 to 16V)
- Consumed Power ..... 14W
- Operating Temperature Range ..... -10°C – 60°C
- Storage Temperature Range ..... -30°C – 80°C
- Size
  - Main Unit ..... 189 (W) x 131 (H) x 37 (D) mm
    7-7/16 (W) x 5-3/16 (H) x 1-7/16(D) inch
  - Hideaway Unit ..... 167 (W) x 38 (H) x 152 (D) mm
    6-9/16 (W) x 1-1/2 (H) x 6 (D) inch
- Weight
  - Main Unit ..... 1.28LBS (580g)
  - Hideaway Unit ..... 1.37LBS (620g)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.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